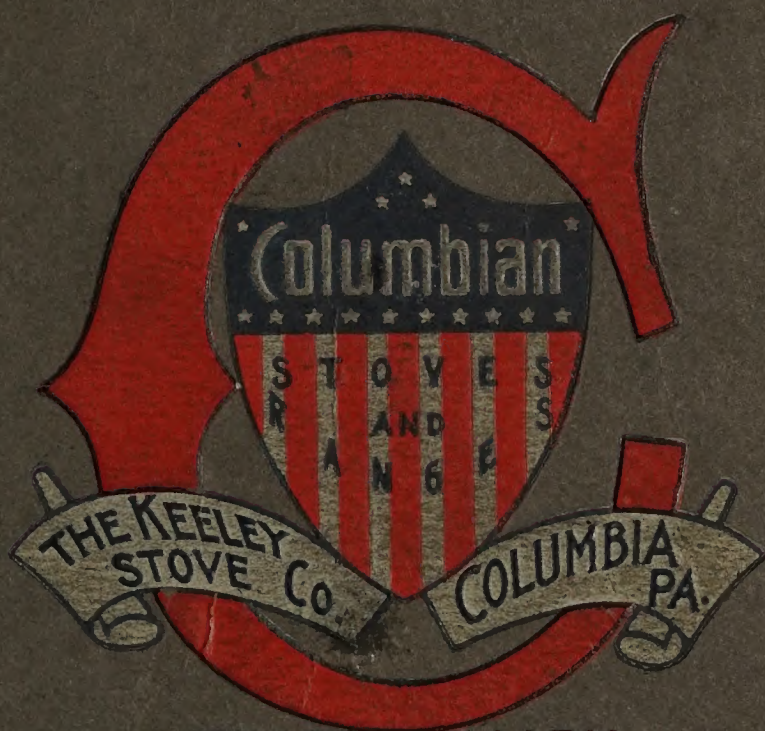
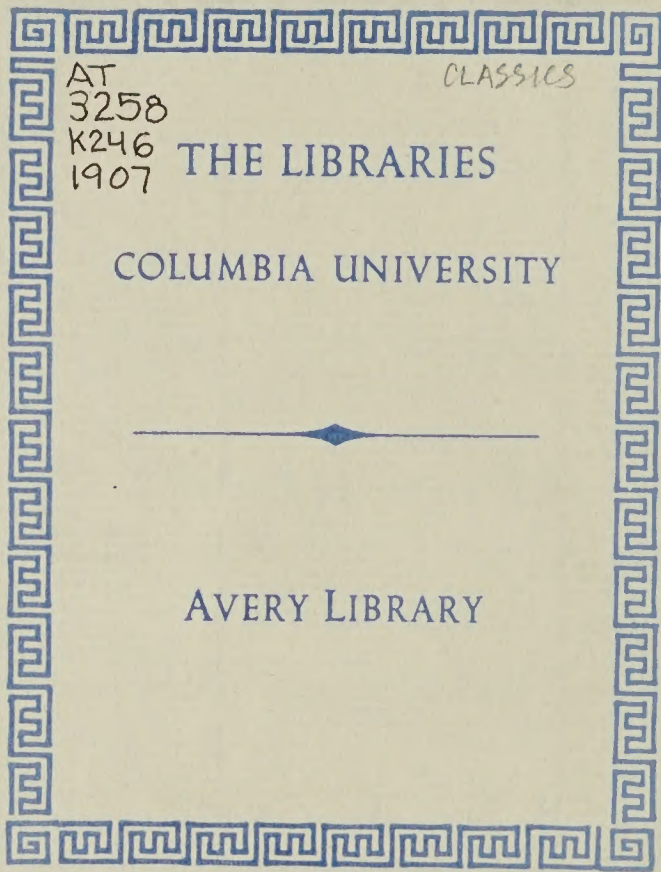




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1907

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THE COLUMBIAN STOVES, RANGES, FURNACES *and* HOT WATER SPECIALTIES

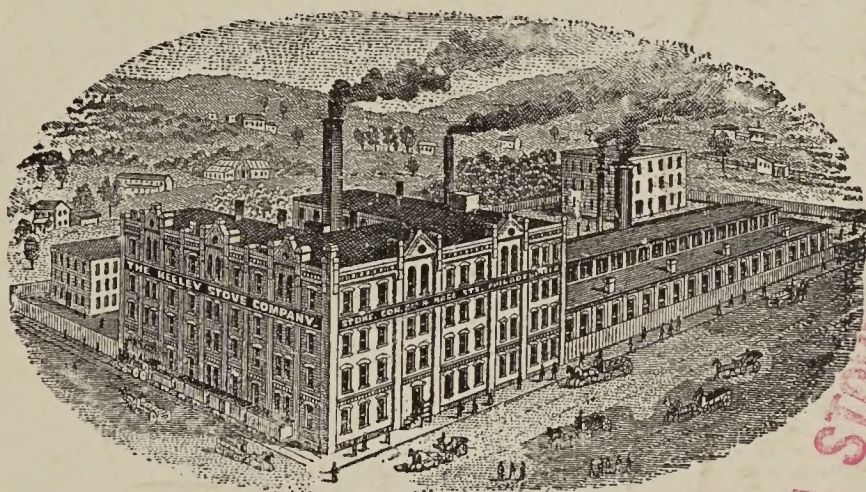
Officers

D. H. DETWILER, President

J. E. SHOMIER, Secy. and Treas.

W. D. SNYDER, Manager

1907



1908

Directors

M. S. SHUMAN

WILLIAM MORRIS

HORACE DETWILER

J. H. HERR

JOHN WESTERMAN

H. M. NORTH

W. L. BUCHER

D. H. DETWILER

D. C. DENNY

MANUFACTURED BY

THE KEELEY STOVE CO.

Main Office and Foundry

COLUMBIA, PA.

Western Union Code "KEELEY"

SALES AGENCIES—JACOB RETTERER, 169 Lake Street, Chicago, Ill.; SAMUEL KLEIN, 512 N. Second Street, Philadelphia, Pa.; A. BROMBERGER CO., Cleveland, Ohio; CLARK-RUTKA-WEAVER CO., Grand Rapids, Mich.; S. G. KUGLER CO., Baltimore, Md.

NICKEL STOVE KNOBS.

			Net
Small (1 inch).....	Per	Dozen	20c.
Medium (1¼ inch).....	"	"	30c.
Large (1½ inch).....	"	"	35c.

ALASKA KNOBS.

Small	"	"	50c.
Medium	"	"	60c.
Large	"	"	70c.

Hinge Pins with Nickel Tops.

Assorted sizes	"	"	30c
----------------------	---	---	-----

FIRE BRICK.

All Range and Cook Brick.....	Per set	50c.
All Fire Place Heater Brick.....	" "	70c.

Furnace Brick and Staves.

	Each
Everlasting Staves	\$0 10
Furnace Staves	10
Columbian Vulcan Cylinder Staves.....	10
Columbian Vulcan Bottom, drum ring brick.....	12
Columbian Banner and Vulcan Furnace, drum section brick.....	04
Columbian Crown Heater, drum section brick.....	04

	Size of brick
No. 36. Columbian Banner Section Brick.....	No. 40 use 9
No. 40. Columbian Banner Section Brick.....	No. 40 use 11
No. 44. Columbian Banner Section Brick.....	No. 40 use 12
No. 48. Columbian Banner Section Brick.....	No. 40 use 13
No. 52. Columbian Banner Section Brick.....	No. 40 use 15

	Size of Brick	Sec- tion	Drum Ring	Cyl- inder
No. 136. Columbian Vulcan to complete brick-lined fire pot..	No. 40	12	9	12
No. 140. Columbian Vulcan to complete brick-lined fire pot..	No. 40	13	10	14
No. 144. Columbian Vulcan to complete brick-lined fire pot..	No. 40	15	11	17
No. 150. Columbian Vulcan to complete brick-lined fire pot..	No. 50	17	12	20

NOTE.—We furnish brick for all goods advertised in this 1907 and 1908 catalogue. Bricks when purchased in lots of six set or more a rebate of 10 cents per set will be allowed. The increased breakage of bricks and small lots of repairs on the part of transit companies, compels us to charge for boxing brick and castings.

Cast key linings are not included in the price of bricks and are not shipped unless ordered.

This Price List Gives the Correct Number of Brick to the Set for the Following Stoves.

Nos. 10, 110 Oak, take 6 brick.....	\$0 24	per set net
Nos. 12, 112 Oak, take 7 brick.....	28	"
Nos. 14, 114, 23 Oak, take 8 brick.....	32	"
Nos. 16, 116, 25 Oak, take 10 brick.....	40	"
No. 27 Oak, takes 11 brick.....	44	"

The Circle in front under feed door is cast iron. Price net: No. 23, 20c; No. 25, 25c; No. 27, 30c. This Circle is not included in the price of brick, and is not shipped unless ordered.

Morning Light.

Nos. 11, 31, 41 (equal a 11-inch body), lined 5 rows high, and take 5 cut brick and 16 plain brick.....	\$0 65	per set net
Nos. 12, 32, 42 (equal a 12-inch body), lined 5 rows high, and take 6 cut brick and 17 plain brick.....	70	"
Nos. 13, 33, 43 (equal a 13-inch body), lined 5 rows high, and take 7 cut brick and 19 plain brick.....	80	"
Nos. 14, 34, 44 (equal a 14-inch body), lined 5 rows high, and take 8 cut brick and 22 plain brick.....	90	"
No. 310 takes 5 cut brick, 1 clinker and 15 plain brick.....	60	"
No. 312 takes 5 cut brick, 1 clinker and 15 plain brick.....	60	"
No. 314 takes 6 cut brick, 1 clinker and 18 plain brick.....	70	"
No. 45 (equals a 15-inch body), lined 5 rows high and takes 8 cut brick and 22 plain brick.....	90	"
No. 46 (equals a 16-inch body), lined 5 rows high and takes 9 cut brick and 24 plain brick.....	1 00	"
No. 213 takes 5 cut, 1 clinker and 15 straight brick.....	95	"
No. 214 takes 6 cut, 1 clinker and 15 straight brick.....	95	"
No. 215 takes 7 cut, 1 clinker and 21 straight brick.....	1 00	"
No. 217 takes 7 cut, 1 clinker and 21 straight brick.....	1 10	"
No. 219 takes 8 cut, 1 clinker and 24 straight brick.....	1 20	"
No. 13 Sun takes 1 clinker, 1 right, 1 left and 3 staves.....	95	"
No. 15 Sun takes 1 clinker, 1 right, 1 left and 3 staves.....	1 00	"
No. 17 Sun takes 1 clinker, 1 right, 1 left and 4 staves.....	1 10	"
No. 19 Sun takes 1 clinker, 1 right, 1 left and 4 staves.....	1 20	"
No. 10 Orb takes 1 right, 1 left, 3 top, 1 clinker, 5 bottom cut.....	65	"
No. 12 Orb takes 1 right, 1 left, 3 top, 1 clinker, 5 bottom cut.....	65	"
No. 14 Orb takes 1 right, 1 left, 4 top, 1 clinker, 6 bottom cut.....	65	"
No. 16 Orb takes 1 right, 1 left, 4 top, 1 clinker, 6 bottom cut.....	65	"

Columbian Pansy and Pride.

Nos. 23 and 32 take 6 cut brick and 5 plain brick.....	\$0 50	per set net
Nos. 25 and 52 take 6 cut brick and 5 plain brick.....	50	"
Nos. 27 and 72 take 7 cut brick and 6 plain brick.....	50	"

Grip Stove and Heater.

No. 12 takes 6 brick in top row and 6 brick in lower row.....	\$0 60	per set net
No. 13 takes 6 brick in top row and 6 brick in lower row.....	60	"
No. 14 takes 6 brick in top row and 6 brick in lower row.....	70	"
No. 15 takes 6 brick in top row and 7 brick in lower row.....	70	"

Columbian Queen.

No. 10 takes 5 cut, 1 clinker and 15 plain brick.....	\$0 60	per set net
No. 12 takes 5 cut, 1 clinker and 15 plain brick.....	60	"
No. 14 takes 5 cut, 1 clinker and 15 plain brick.....	70	"

Nobby, Clinker Door Stove.

Nos. 8, 9, 10, 11, 12 and 14, each and every size takes 5 staves and 1 clinker....	\$0 50	per set net
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Active.

Nos. 8, 9, 10, each and every size takes 6 staves.....	\$0 50	per set net
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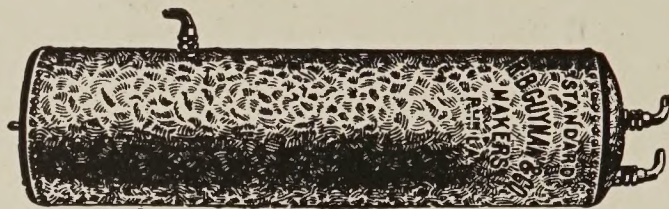
Matinee and Nobby, Less Clinker Door.

Nos. 8, 9, 10, 11, 12, each and every size takes 6 staves.....	\$0 50	per set net
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We charge for boxing or crating Bricks or Repair Castings (see page 2).

PRICE LIST

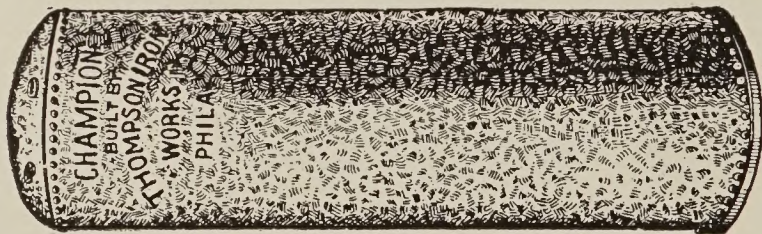
GALVANIZED STANDARD CIRCULATING BOILERS.



Discount on Application.

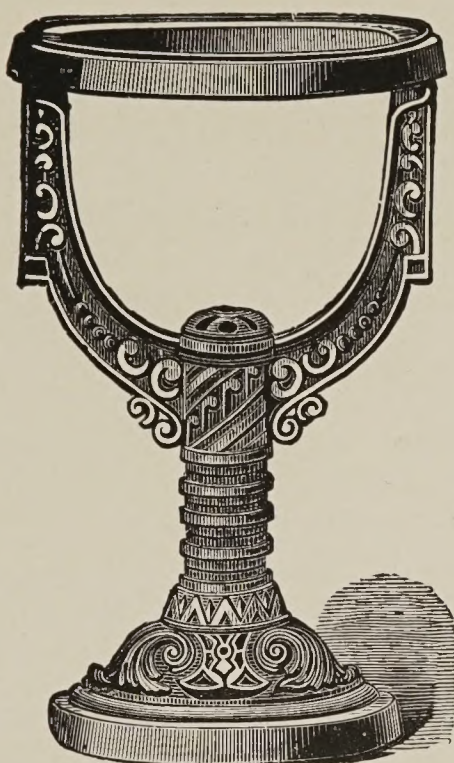
Capacity.	Size.	Regular.	Extra Heavy or Double Riveted.	Extra Heavy and Double Riveted.	Capacity.	Size.	Regular.	Extra Heavy or Double Riveted.	Extra Heavy and Double Riveted.
18 Gals.	3 × 12	\$14 50	\$17 50	\$20 50	48 Gals.	6 × 14	\$30 00	\$35 00	\$40 00
21 "	3½ × 12	15 50	18 50	22 00	52 "	5 × 16	31 00	36 00	41 00
24 "	4 × 12	15 75	19 00	22 50	53 "	4 × 18	31 50	37 00	41 00
24 "	3 × 14	19 00	22 50	26 00	63 "	6 × 16	38 00	43 00	48 00
27 "	4½ × 12	18 50	21 00	25 00	66 "	5 × 18	36 00	41 00	46 00
28 "	3½ × 14	20 25	24 00	27 50	79 "	6 × 18	44 00	51 00	56 00
30 "	5 × 12	19 00	22 50	26 00	82 "	5 × 20	45 50	52 00	57 00
32 "	4 × 14	21 00	24 50	27 50	98 "	6 × 20	54 00	60 00	65 00
35 "	5 × 13	21 00	24 50	28 00	100 "	5 × 22	54 00	60 00	65 00
36 "	6 × 12	24 50	29 50	34 50	120 "	6 × 22	63 00	70 00	75 00
36 "	4½ × 14	21 50	25 50	29 00	120 "	5 × 24	61 50	68 00	73 00
40 "	5 × 14	24 00	27 50	31 00	144 "	6 × 24	70 50	77 50	82 00
42 "	4 × 16	20 00	30 00	34 00	168 "	7 × 24	84 00	91 00	96 00
47 "	4½ × 16	30 00	35 00	40 00	192 "	8 × 24	95 00	102 00	107 00

Price List Horizontal Circulating Boilers.



Discount on Application.

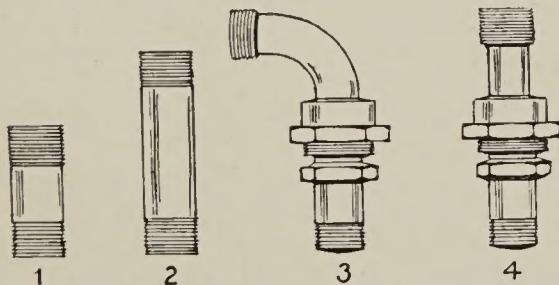
		Galvanized.		Black.	
Size.		Regular.	Extra Heavy.	Regular.	Extra Heavy.
30	× 10	\$12 75	\$15 00	\$10 00	\$12 50
32	× 10	12 75	15 00	10 00	12 50
34	× 10	12 75	15 00	10 00	12 50
3	× 10	12 75	15 00	10 00	12 50
3½	× 10	14 25	16 75	11 25	13 75
4	× 10	16 00	18 50	12 75	15 25
4½	× 10	19 25	22 50	15 25	17 75
5	× 10	21 75	25 00	17 75	21 00
30	× 12	14 50	16 50	12 75	15 25
32	× 12	14 50	16 50	12 75	15 25
34	× 12	14 50	16 50	12 75	15 25
3	× 12	14 50	16 50	12 75	15 25



PRICE LIST GALVANIZED BOILER STANDS.

Discount on Application.

30 inches High.			20 inches High.		
	Galv.	Plain		Galv.	Plain
12-inch Ring.....	\$3 25	\$1 75	12-inch Ring.....	\$2 50	\$1 25
13-inch Ring.....	3 35	1 80	13-inch Ring.....	2 60	1 30
14-inch Ring.....	3 45	1 90	14-inch Ring.....	2 70	1 40
16-inch Ring.....	4 00	2 25	15-inch Ring.....	3 00	
18-inch Ring.....	4 55	2 50	16-inch Ring.....	3 25	1 75
20-inch Ring.....	5 25	2 75	17-inch Ring.....	3 60	
22-inch Ring.....	5 75	3 25	18-inch Ring.....	3 80	2 00
24-inch Ring.....	7 25	4 00	20-inch Ring.....	4 50	2 25
			22-inch Ring.....	5 00	2 75
			24-inch Ring.....	6 50	3 50



Nipples Nos. 1 and 2, equal to $\frac{3}{4}$ -inch pipe, net, each.....\$0 15
 Bent Couplings, threaded, long spud, per set 1 00
 Straight Couplings, threaded, long spud, per set..... 1 00
 Regular Circulating Boiler Couplings, per set 80

BAR ROOM PAN.

Weight, 70 lbs.

36-inch diameter.....5 cents per pound, net

Measurements and Detailed Description of Columbian Peerless (Portable) and Fireside (Brick Set) Ranges.

Columbian Peerless (Portable).

	7-16	8-18	8-20
Height of Range	29	30¼	31¼
Length of Top	33½	36	38½
Width of Top	25	27	28
Height of Oven	11½	12	13
Length of Oven	16½	18½	20½
Depth of Oven without bulge of Oven Door.....	16	18	20
Depth of Oven Door, 1¾ in., which would make the Oven Depth	17¾	19¾	21¾
Depth of Fire Box	6½	7	7¼
Width of Fire Box	6¾	7¼	7¾
Length of Fire Box	13¼	15	17
Extreme Height of Horizontal Boiler Range.....	67¾	69	70½
Extreme Width of Horizontal Boiler Range, including Connections	39	42	43
Size of Boiler.....	12 × 34½	12 × 37	12 × 39½
	10 × 34½	10 × 37	10 × 39½
Size of Pipe Collar.....	6	7	7
Distance between Jambs of Elevated Closet.....	31½	33½	34½
Length of Boilers, less heads (Sheets).....	32½	34½	35½
Length of Nickeled Tube Bands.....	18	20½	23

Columbian Fireside (Brick Set).

Dimensions same as Columbian Peerless.

Width of Top between Jambs.....	30¼	33	34½
Depth of Jambs.....	11½	12	12
Length across front, between Jambs or Boiler Carriers. (outside measurement)	32⅞	35¼	37¼

- The 10 × 34½ Boiler will hold 11½ gallons.
- The 10 × 37½ Boiler will hold 12½ gallons.
- The 10 × 39½ Boiler will hold 13½ gallons.
- The 12 × 34½ Boiler will hold 17 gallons.
- The 12 × 37 Boiler will hold 18 gallons.
- The 12 × 39½ Boiler will hold 19½ gallons.

Be careful in making up your order to name the kind of Upper Closet, Boiler Carriers or Shelf desired. Reference to the page on which the desired stove is illustrated is helpful. We designate right or left-hand range by the oven. Make your wants clear in your order.

THREE SIZES. Two with 8-inch covers; one with 7-inch covers.

The Columbian Peerless Line of Ranges can be furnished with Lower Blind Base, Sliding Door Base and Ash Sifter Base. Prices will be furnished upon application.

COLUMBIAN PEERLESS.

With Elevated Closet No. 1 for Inclosed Boiler, Low Closet and Sifter,
Made With Right and Left-Hand Ovens.



The entire line of Peerless Ranges is arranged for water backs, circulating boilers, and they are the most modern and up-to-date ranges made. They have ventilated ovens and are supplied with oven door pedals. The Peerless is artistically and handsomely nickeled and warranted a perfect baker.

Chimney connections may be made through the top or back of the range. Measurements on page 6.

The range shown in illustration we denominate a RIGHT-HAND RANGE.

The Nickel Adornments are Oven Door Panel, Drop Feeder Door, Outside Oven Shelf, Kicker, Ash Door Panel on Lower Closet, Knobs, Panels on Elevated Closet.

List Price, as shown above, less Boiler, Connections and Water Back.

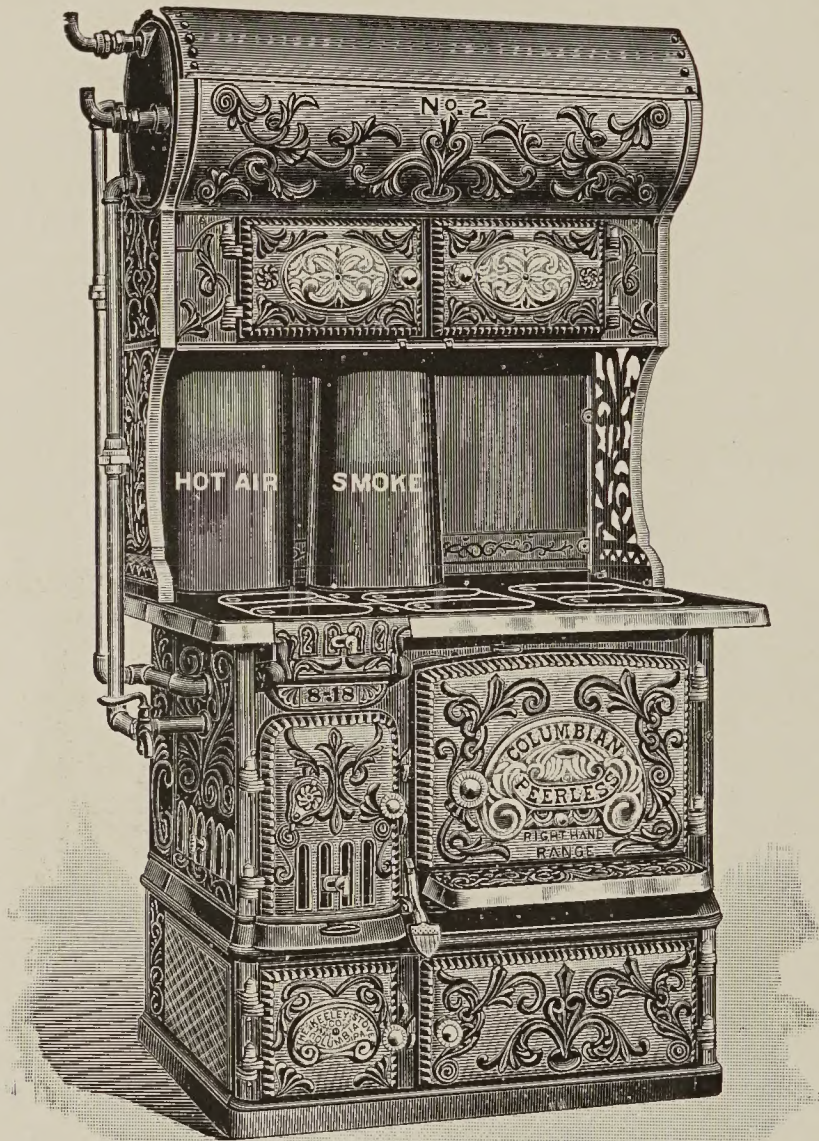
No. 7-16, Less Water Back, Boiler and Connections.....	\$61 95
No. 8-18, Less Water Back, Boiler and Connections.....	67 90
No. 8-20, Less Water Back, Boiler and Connections.....	74 90

The Low Closet is finished complete with cast bottom, double hot air chamber on right and left ends.

Tube Band and Brackets, if desired.....	.50 net
Add for Sheet Iron Back to complete Portable Range for Hot Air.....	.50 "
Price List of Elevated Closet No. 1, as shown above, less Boiler and Connections, \$18 20	
Prices on Water Backs, Boilers and Connections given on application.	

COLUMBIAN PEERLESS.

With Elevated Closet and Boiler Shield No. 2, Low Closet and Sifter.
Made With Right and Left-Hand Ovens.



The Range as shown in illustration we denominate a Right-Hand Range.

List Price, as shown above, less Boiler, Connections and Water Back.

No. 7-16, less Boiler, Connections and Water Back.....	\$58 45
No. 8-18, less Boiler, Connections and Water Back.....	64 40
No. 8-20, less Boiler, Connections and Water Back.....	71 40
Add for Sheet Iron Back, to complete Hot Air Chamber, net.....	50
Elevated Closet and Boiler Shield No. 2, as shown, less Boiler and Connections	14 70
Tube Band and Brackets, if desired, net.....	50
Prices on Water Backs, Boilers and Connections given on application. Measurements on page 6.	

Length across front of Boiler Carriers, outside :

No. 7-16—32 $\frac{7}{8}$ inches. No. 8-18—35 $\frac{1}{4}$ inches. No. 8-20—37 $\frac{1}{4}$ inches.

Nickel Adornments—Oven Door Panel, Drop Feeder Door, Outside Oven Shelf, Kicker, Ash Door Panel on Lower Closet, Knobs, Panels on Elevated Closet.

COLUMBIAN PEERLESS.

With Elevated Boiler Bracket No. 3. Low Closet and Sifter.



Made With Right and Left-Hand Ovens.

No. 7-16, List Price, as shown, less Water Back, Boiler and Connections.....	\$55 30
No. 8-18, List Price, as shown, less Water Back, Boiler and Connections.....	61 25
No. 8-20, List Price, as shown, less Water Back, Boiler and Connections.....	68 25
Elevated Boiler Bracket No. 3, as shown, less Boiler and Connections.....	11 55
Add for Sheet Iron Back, to complete Hot Air Chamber, net.....	50
Tube Bands and Brackets, if desired, net.....	50

Prices on Water Backs, Boilers and Connections given on application.

If this style is desired refer to this page, stating if Right or Left-Hand Oven is wanted.

Length Across Front of Boiler Carriers Outside:

No. 7-16—32 $\frac{7}{8}$ inches. No. 8-18—35 $\frac{1}{4}$ inches. No. 8-20—37 $\frac{1}{4}$ inches.

Notice the Warrant Stamped on Range.

COLUMBIAN PEERLESS.

With Peerless Elevated Closet, Low Closet and Sifter. Made With Right and Left-Hand Oven.



Right-Hand Range.

No. 7-16, List Price, as shown above, less Water Back.....	\$57 75
No. 8-18, List Price, as shown above, less Water Back.....	63 70
No. 8-20, List Price, as shown above, less Water Back.....	70 70
List Price of Peerless Elevated Closet, only, as shown on above Range.....	14 00
Price of Sheet Iron Back to complete Hot Air Chamber, net.....	50
Tube Bands and Brackets, if desired, net.....	50

Measurements on page 6.

We would emphasize the importance of stating the size and kind of boiler and stand that you may want. The Pipe Collar is either on the top or the back of this Range.

Every Range warranted.

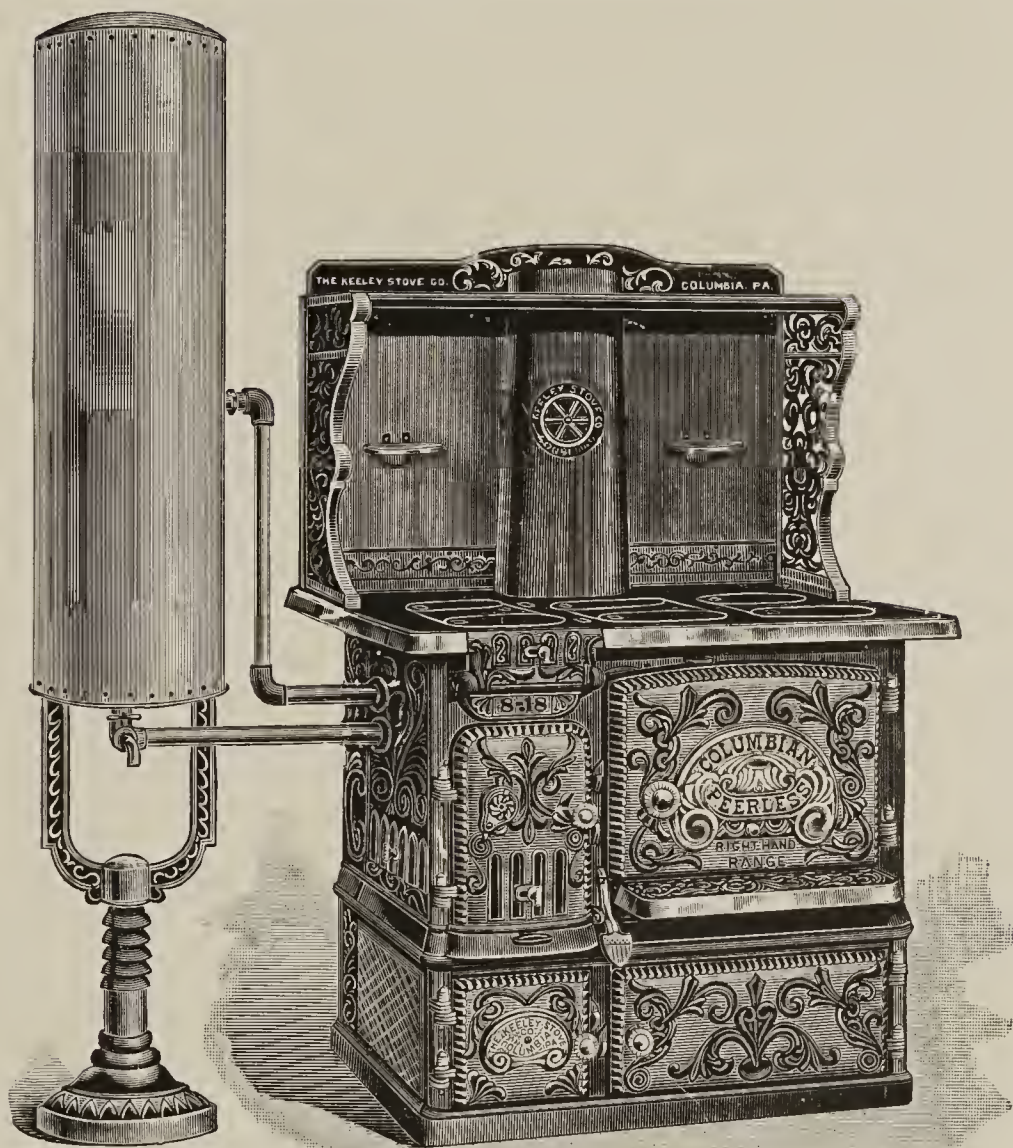
Many of our Brass Couplings are threaded for pipe. In the event of making the connection with lead pipe, the threaded connection is no detriment.

Always keep the ash-pit door closed in shaking the grate or when applying the shaker to the grate. The grate is sure to be in proper position when it is possible to apply or remove the shaker through the opening in the ash-pit door. This is a sure test. The chances of shortening the life of your grate lies in neglecting this rule.

Prices on Water Backs, Boilers and Connections given on application.

COLUMBIAN PEERLESS.

With Mantel "R" and Cup Plates and Low Closet and Sifter. Made
With Right and Left-Hand Oven.



Range as illustrated we denominate a Right-Hand Range.

List Price, as shown above, less Boiler and Connections and Water Back.

No. 7-16, less Water Back, Boiler and Connections.....	\$50 75
No. 8-18, less Water Back, Boiler and Connections.....	56 70
No. 8-20, less Water Back, Boiler and Connections.....	64 05
Sheet Iron Back to complete Hot Air Chamber.....net	50
Nickel Tube Bands and Brackets, if desired.....net	50

Measurements and description given on page 6.

We denominate a Left-Hand Range one with Oven on left. Pipe Collars top or back. Every Range warranted. Always keep the ash door closed when shaking the grate, or when applying or removing the shaker. The grate is sure to be in proper position when it is possible to apply or remove the shaker through the opening in the ash-pit door. This is a sure test.

Prices of Ranges, Water Backs, Boilers and Connections given on application.

COLUMBIAN PEERLESS.

With Splash Plate and Low Closet Sifter. Made With Right and Left-Hand Ovens.



	List with Blind Base less Ash Sifter	List with Sliding Door Base less Ash Sifter	List with Ash Sifter Base
7-16, less Water Back.....	\$38 15	\$38 85	\$43 75
8-18, less Water Back.....	43 75	44 45	49 70
8-20, less Water Back.....	50 75	51 45	56 70

Sheet Iron Back to complete Hot Air Chamber.....net 50

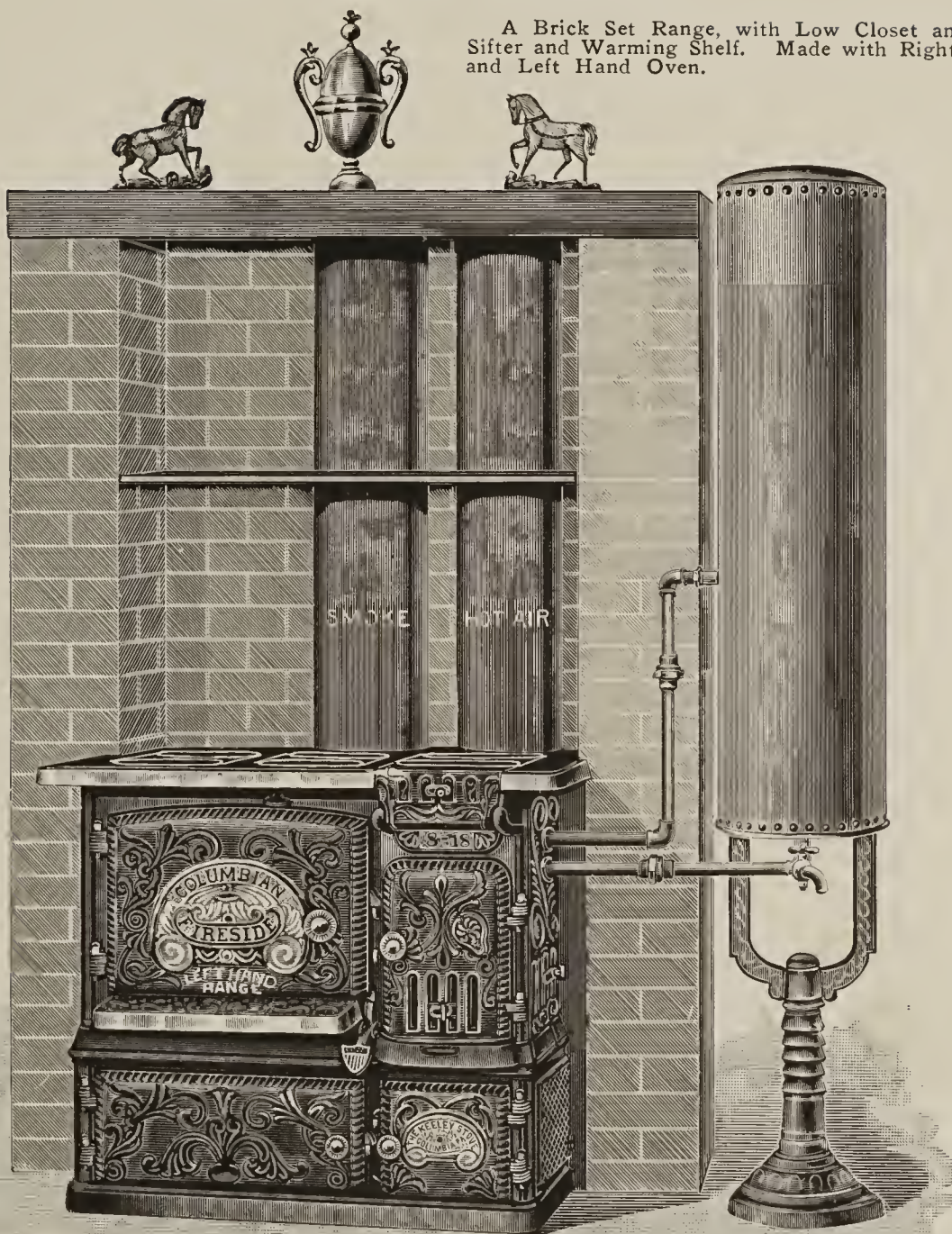
Add for Nickel Tube Band and Brackets.....net 50

We denominate a Right-Hand Range, one with the Oven on right. Pipe Collar top or back, as desired. Every Range warranted. Always keep the ash door closed when shaking the grate or when applying the shaker to the grate. The grate is sure to be in proper position when it is possible to apply or remove the shaker through the ash-pit door. This is a sure test. Circulating Boilers, Boiler Stands, Water Backs and Appliances of all kinds are carried in stock by us. Prices given on application. Water pressure, size and finish of boiler are needed to make an order distinct and clear.

The name and number is not a full description of the Range. We must know the location of the oven, the kind of closet or shelf desired. Too much care cannot be given to the make-up of your order.

COLUMBIAN FIRESIDE.

A Brick Set Range, with Low Closet and Sifter and Warming Shelf. Made with Right and Left Hand Oven.



Showing Left-Hand Range.

List Price, as shown above, less Boiler and Connections and Water Back.
 No. 7-16, less Water Back, Boiler and Connections, Hot Air and Smoke Pipe.....\$44 80
 No. 8-18, less Water Back, Boiler and Connections, Hot Air and Smoke Pipe..... 51 10
 No. 8-20, less Water Back, Boiler and Connections, Hot Air and Smoke Pipe..... 58 10
 Nickel Tube Band and Brackets, if desired.....50c net

No.	Height of Range.	Width Between Jambs.	Depth of Jambs.
7-16	29	30¼	11½
8-18	30¼	33	12
8-20	31¼	34	12

Made with Triplex Grate, which can be removed and applied through ash door. We denominate a right-hand range one with the oven on right. Pipe Collar on top or back of range. Every Range warranted.

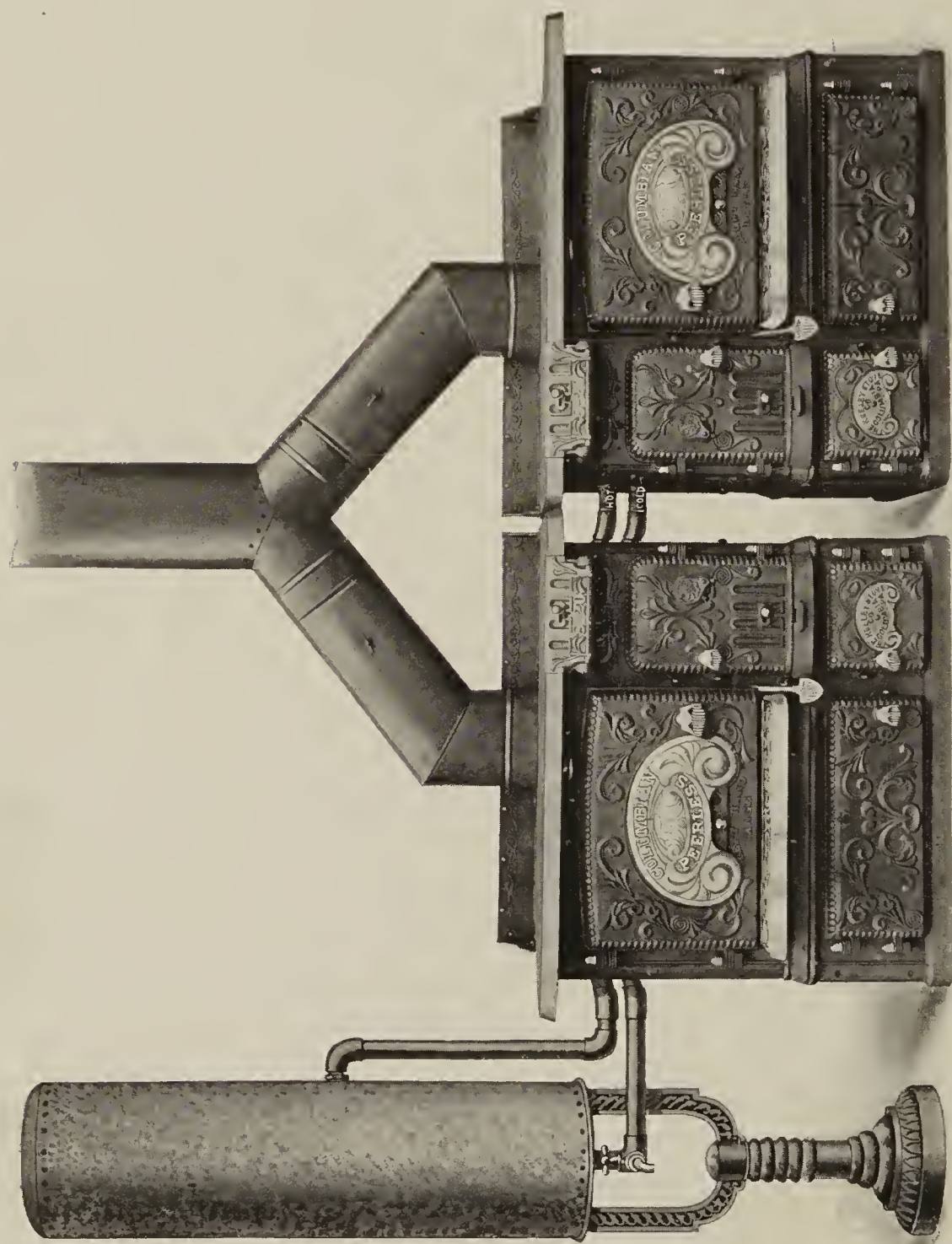
Sheet flue, clean out in front. Warming shelf and cast iron plates for the ends of the Range to finish the front jambs.

For additional detailed measurements, see page 6.

Prices on Water Backs given on application.

The Columbian Fireside line of Ranges can be furnished with Lower Blind Base and Sliding Door Base instead of the Ash Sifting Base. Prices will be given upon application.

PEERLESS TWIN RANGE.



The Peerless Twin Range, for Hotel or Boarding House Purposes.

No. 7-16. List Price as illustrated on page 14, less Boiler, Stand, Connections, Smoke Pipe and Water Backs.....	\$88 90
No. 8-18.....	100 80
No. 8-20.....	114 80

Elevated Closets, Shelves or Mantels can be supplied to these at their respective list prices.

Prices on Boilers, Stands, Water Backs and Connections given on application.

List Price of "Y" Joint when made of Common Refined Iron.....	\$5 60
List Price of "Y" Joint when made of Russian Iron.....	8 40

When not necessary to operate both ranges, one range may be used with perfect satisfaction and some degree of economy.



The Keeley Out-Door Waffle Iron.

Persons who wish to run an Out-Door Restaurant can fit this Waffle Iron with Gas Torch and turn out "Waffle Cakes" very rapidly.

List Price as illustrated....\$14 70

COLUMBIAN EXPERT.

The Builders' Leader.

Nickel Adornments: Oven Door Panel, Outside Oven Shelf, Door Knobs.

Price list as illustrated with No. 1 Elevated Closet, less Water Back, Circulating Boiler and Connections with Sliding Door Base.

No. 70-14	\$45 50
No. 70-16	50 40
No. 80-16	51 10
No. 80-18	55 30
No. 80-20	64 40
Add for Nickel Tube Band and Brackets.....net	50

	Height from floor to Top of No. 1 Closet.	Length across front outside measurement.	Height from floor to top of range.
70-14.....	66 $\frac{1}{4}$	29 5-16	27 $\frac{3}{4}$
70-16.....	66 $\frac{1}{2}$	32 $\frac{1}{8}$	28
80-16.....	66 $\frac{1}{2}$	32 $\frac{1}{8}$	28
80-18.....	67 $\frac{1}{4}$	32 $\frac{7}{8}$	28 $\frac{3}{4}$
80-20.....	69 $\frac{1}{4}$	35 $\frac{1}{4}$	30 $\frac{3}{4}$

No.	Size of Top, less drop shelf.	Oven Size.	Pipe Collar.	Circum. of Pipe.	Length of Tube Band.
70-14.....	23 $\times$ 29 $\frac{1}{2}$	14 $\times$ 14 $\times$ 10 $\frac{1}{4}$	6	18 6-7	18
70-16.....	25 $\times$ 32	16 $\times$ 16 $\times$ 10 $\frac{3}{4}$	6	18 6-7	20 $\frac{1}{2}$
80-16.....	25 $\times$ 32	16 $\times$ 16 $\times$ 10 $\frac{3}{4}$	6	18 6-7	20 $\frac{1}{2}$
80-18.....	26 $\times$ 33	18 $\times$ 18 $\times$ 11	6 $\frac{1}{2}$	18 6-7	20 $\frac{1}{2}$
80-20.....	29 $\times$ 37	20 $\frac{1}{2}$ $\times$ 20 $\frac{1}{4}$ $\times$ 12	7	20 3-7	20 $\frac{1}{2}$

Hot Air Range.

Add for Hot Air Strips, any size.....\$0 75 net

Add for Sheet Iron Back, any size..... 50 net

List Price of Elevated Closets or Shelf with Sheet Iron Back when sold independent of Range:

No. 1	\$18 20
No. 2	14 70
No. 3	11 55
Peerless Elevated Warming Closet may be used on this Range.....	14 00

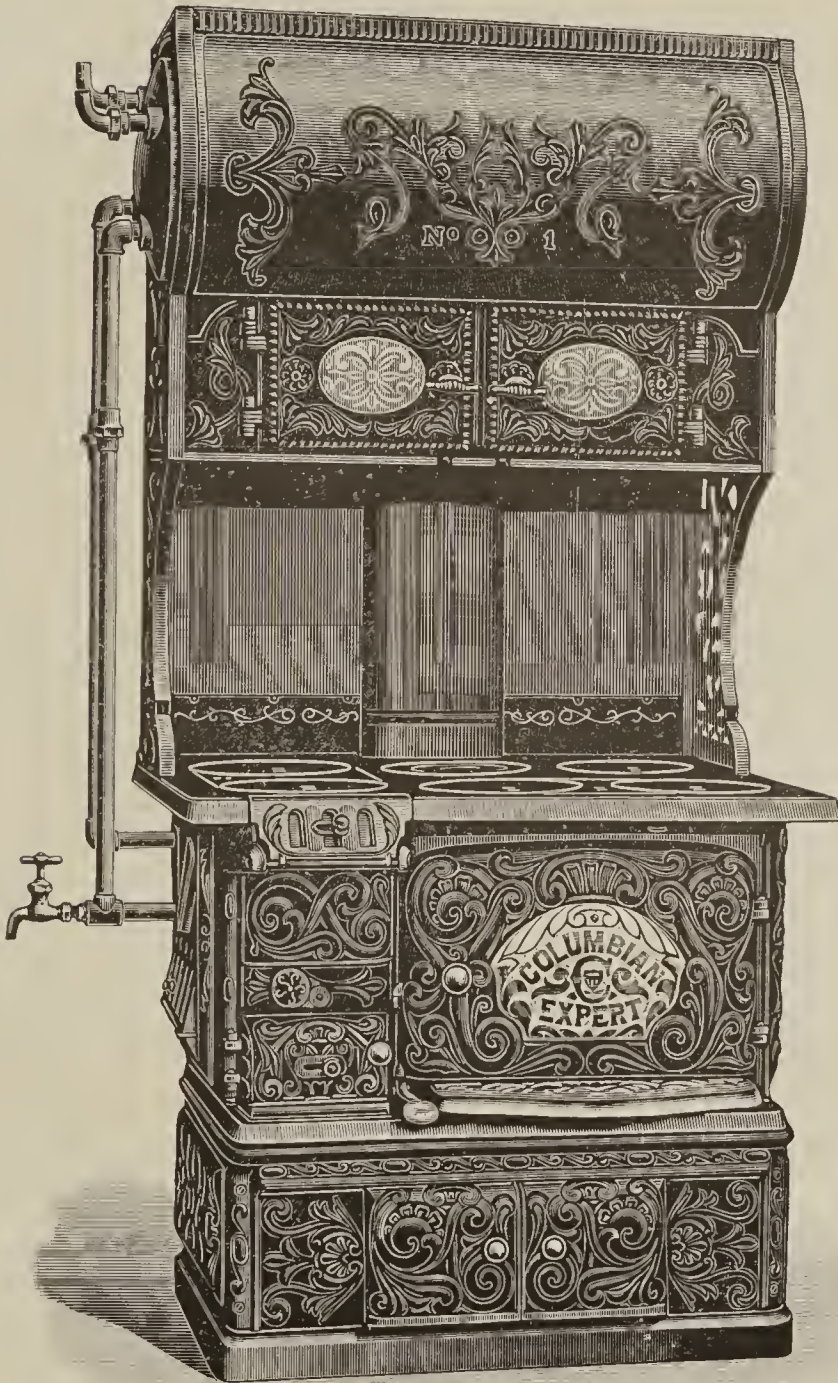
Prices of Water Backs, Boilers and Stands and Connections given on application.

Suggestions and Directions.

The pipe collar indicates the size of the pipe to be used. Before firing your stove or attaching the pipe to the chimney see that the fire box fixtures in the stove are all in place and perfect. Your chimneys should have a clean and strong draft. When baking close the damper by pushing the handle in.

COLUMBIAN EXPERT.

Illustrated With No. 1 Elevated Closet. Made With Right and Left-Hand Ovens.



This Range as shown above we denominate as a Right-Hand Range, and unless the dealer or purchaser describes his wants otherwise, we ship in keeping with our meaning of a Right or Left-Hand Range.

A detailed description of this range given on opposite page, 16.

The Columbian Expert line of Ranges can be furnished with Lower Blind Base instead of Sliding Door Base. Prices will be given upon application.

COLUMBIAN EXPERT.

Made With Right and Left-Hand Oven.



A Six-Hole Range, Showing Right-Hand Range.

Nickel Trimmings: Nickel Oven Door Panel, Nickel Outside Oven Shelf and Door Knobs.

Range fitted with Drop Front Feed Door, Sliding Door Low Closet and Triplex Grate.

Clean out opening in Ash-pit and flue end of Range.

No.	List Price, less Water Back.	Height.	Size of Top, less drop shelf.	Length of Tube Band.	Oven Size.	Size of Pipe.	Circum. of Pipe.
70-14	\$27 30	27¾	23 × 29½	18	14 × 14	× 10¼	6 18 6-7
70-16	32 20	28	25 × 32	20½	16 × 16	× 10¾	6 18 6-7
80-16	32 90	28	25 × 32	20½	16 × 16	× 10¾	6 18 6-7
80-18	37 10	29¾	26 × 33	20½	18 × 18	× 11	6 20 3-7
80-20	46 20	30¾	29 × 37	20½	20½ × 20¼	× 12	7 22

Add for Nickel Tube Band and Brackets.....net 50c.

Prices of Water Backs, Boilers and Stands, Connections furnished on application.

The Columbian Expert line of Ranges can be furnished with Lower Blind Base instead of the Sliding Door Base. Prices furnished upon application.

COLUMBIAN EXPERT.

Made With Right and Left-Hand Ovens.



Showing Right-Hand Range, Right-Hand Oven, supplied with Triplex Grate.

Nicely decorated with Nickel Oven Door Panel, Nickel Outside Oven Shelf and Door Knobs. Supplied with Top Drop Shelf, Hearth Shelf and Drop Front Feed Door.

No.	Size of Top, less Drop Shelf.	Oven Size.	Height.	Pipe Collar.	Circum. of Pipe.	Length of Tube Band.	List Price. less Mantel.
70-14	23 x 29½	14 x 14 x 10¼	28¼	6	18 6-7	18	\$25 20
70-16	25 x 32	16 x 16 x 10¾	28¾	6	18 6-7	20½	30 10
80-16	25 x 32	16 x 16 x 10¾	28¾	6	18 6-7	20½	30 80
80-18	26 x 33	18 x 18 x 11	29	6½	20 3-7	20½	35 00
80-20	29 x 37	20½ x 20¼ x 12	31¼	7	22	20½	44 10
Nickel Tube Band and Brackets, if desired.....							50c. net

Price of Water Backs, Stands, Boilers and Fittings given on application.

AURORA.

Shown With Columbian Steel Closet.



No.	Oven.	Top, less sheli.	Drop Shelf.	Height.	Collar.	List less Closet.
8-18A.....	18 × 18 × 11	26½ × 32	8½	30¾	7.....	\$47 60
8-20A.....	20 × 20 × 12	28 × 35	8½	32	7.....	53 20
9-20A.....	20 × 20 × 12	28 × 35	8½	32	7.....	54 60
8-22A.....	22 × 22 × 13¼	30½ × 37½	8½	35	7.....	58 80
9-22A.....	22 × 22 × 13¼	30½ × 37½	8½	35	7.....	60 20
Add to the above list for Columbian Steel Closet.....						\$14 00
For Nickeling Feet and Skirting, list price.....						4 90
For Nickeling Top Drop Shelf, list price.....						1 40
For Nickeling Ash-pit and Swing Cover, list price.....						3 50
For Nickeling Ash-pit Swing Cover only, list price.....						70

The Aurora fire box is fitted with all cast linings for burning coal.

Water Backs for all sizes connected through back of Range.

AURORA.

Showing Reservoir.



No.	Oven.	Pipe Collar.	List Price less Mantel.
8-18A.....	18 × 18 × 11	7 inches.	\$60 90
8-20A.....	20 × 20 × 12	7 inches.	66 50
9-20A.....	20 × 20 × 12	7 inches.	67 20
8-22A.....	22 × 22 × 13¼	7 inches.	72 80
9-22A.....	22 × 22 × 13¼	7 inches.	74 20
Mantel "K" high, as shown above, add to list.....			11 20

Nickel Adornments: Very Wide Ash-pit and Top Bands, Top Band extending full length of Range, Large Oven Door Panel, Extra Large Outside Oven Shelf, Kicker and Door Knobs.

COLUMBIAN CHOICE.

Series "A."



Made With Right-Hand Ovens Only. With or Without Reservoirs.

No.	Ovens.	Pipe Collar.	Height.	Top, less Drop Shelf.	Length Tube Band.	List Price, less Fairy Tea Shelf.
7-18.....	18 × 18 × 12	7	32	26½ × 34	30⅛.....	\$50 40
8-18.....	18 × 18 × 12	7	32	26½ × 34	30⅛.....	52 50
8-20.....	20 × 20 × 13¼	7	32¾	28 × 36	32⅝.....	57 75
8-22.....	22 × 22 × 14	7	33¾	29½ × 39½	35⅜.....	63 70
9-22.....	22 × 22 × 14	7	33¾	29½ × 39½	35⅜.....	65 80

List price does not include Fairy Tea Shelf, but does include nickel band on top and ash-pit. These bands go, unless your order reads "less nickel bands;" one or both can be used.

	List.
Deduct for Nickel Top Band, if not desired.....	\$1 75
Deduct for Nickel Hearth Band, if not desired.....	1 75
Add for Fairy Tea Shelf and Cup Plates, if desired.....	2 10
Add for Nickeling Fairy Tea Shelf, if desired.....	1 05
Add for Nickeling Feet and Skirting, if desired.....	3 85
Add for Nickeling Ash-Pi and Cover, if desired.....	3 50
Add for Nickeling End Drop Shelf.....	1 40
Add for Nickel Tube Band.....	net 50

Prices on Water Backs given on application.

COLUMBIAN CHOICE.

Series "A," Showing Reservoir.



This Line of Ranges Made with Right-Hand Ovens Only. With and without Reservoirs.

No.	Oven.	Pipe Collar.	Height.	Length of Tube Band.	List Price less Mantel.
7-18.....	18 × 18 × 12	7	32	30⅞	\$64 05
8-18.....	18 × 18 × 12	7	32	30⅞	66 15
8-20.....	20 × 20 × 13¼	7	32¾	32⅝	73 50
8-22.....	22 × 22 × 14	7	33¾	35⅜	79 45
9-22.....	22 × 22 × 14	7	33¾	35⅜	81 55

List price does not include Mantel "M," but does include Nickel Top Band and Ash-pit Band. These bands go, unless your order reads, "less nickel bands." One or both can be used.

COLUMBIAN STAR.

Series "B."



The Triplex Grate Used—Best Made—Right-Hand Oven Only.

No.	Top, less Drop Shelf.	Height.	Pipe Collar.	Length of Tube Band.	List Price, less Fairy Shelf.
8-16.....	26½ × 31¾	29¾	6	29	\$40 60
7-18.....	26¾ × 35	30	7	30⅛	44 45
8-18.....	26¾ × 35	30	7	30⅛	45 50
8-20.....	28¾ × 36½	31	7	32⅝	51 80
9-20.....	28¾ × 36½	31	7	32⅝	52 50

The above lists include Nickel Top and Hearth Bands.

Add to list price for Nickeling Feet and Skirting.....	\$3 85
Add to list price for Nickeling Top Drop Shelf.....	1 40
Add to list price for Nickeling Ash-pit and Cover.....	3 50
Add to list price for Nickel Top Tube Band, if desired.....	net 50
Thermometer can be furnished for the above line of Ranges at.....	net 1 00

The Star Range is fitted and shipped for coal burning unless otherwise ordered.
Water Backs for all sizes.

The Columbia Star line of Ranges have specially fitted cast plates for wood burning purposes, to substitute for Triplex Grate, and brick and cast lining, or we have provided a plate to place upon the Triplex Grate without removing it or any coal fixtures for wood burning purposes. For full and complete description see our repair department. These fixtures are shipped only on special orders and at additional charge and the order must clearly define the kind of wood fixtures needed.

Our Ranges are all-around the best made.

COLUMBIAN STAR.

Series "B," With Reservoir.



Right-Hand Oven Only.

No.	Oven.	List, less Mantel.	No.	Oven.	List, less Mantel.
7-18.....	18¼ × 18¾ × 11	\$56 00	8-20.....	20½ × 20¼ × 12	\$63 35
8-18.....	18¼ × 18¾ × 11	57 05	9-20.....	20½ × 20¼ × 12	64 05

The most popular Range on the market, with ventilated oven. Can be supplied with thermometer in oven door.

Grate used—popular, substantial and economical Triplex, no other.

Regular Nickel Adornments: Outside Oven Shelf and Kicker, Oven Door Panel, Plate under Shaker Door, Ash-pit Door Name Plate, Ash-pit Hearth Band, Top Band and Towel Rod, Door Knobs and Hinge Pin Tops.

	List.
Deduct for Top Nickel Band, if not needed.....	\$1 40
Deduct for Hearth Nickel Band, if not needed.....	1 40
Mantel M, Style 1 (with Nickel Cup Plates and Nickel Name Plate).....	5 60
Mantel M, Style 2 (with Nickel Cup Plates, Nickel Name Plate and Nickel Top Table)	6 65
Mantel M, Style 3 (with Nickel Cup Plates, Nickel Name Plate, Nickel Top Table and Nickel Top Ornament).....	7 35
Mantel M, Style 4 (all parts Nickeled except Barrel).....	8 75
Mantel M, Style 5 (all parts Nickeled completely).....	9 80

COLUMBIAN LUSTRE.

Right-Hand Oven Only.



No.	Height of Range.	Oven Size.	Size of Pipe.	Size of Top, less Drop Shelf.	List, less Mantel.
86	28 $\frac{3}{4}$	16 × 16 × 10 $\frac{3}{4}$	6	25 × 32	\$34 30
78	29	18 × 18 × 11	7	26 × 32	38 15
88	29	18 × 18 × 11	7	26 × 32	38 85
80	30 $\frac{1}{4}$	20 × 20 × 12	7	27 $\frac{1}{2}$ × 35	48 65
90	30 $\frac{1}{4}$	20 × 20 × 12	7	27 $\frac{1}{2}$ × 35	49 70
82	32 $\frac{1}{2}$	22 × 22 × 13 $\frac{1}{2}$	7	30 × 37 $\frac{1}{2}$	58 10
92	32 $\frac{1}{2}$	22 × 22 × 13 $\frac{1}{2}$	7	30 × 37 $\frac{1}{2}$	58 45

When ordered a thermometer can be put in the Oven Door of this line of Ranges for \$1.00 net.

The Columbian Lustre is decidedly the handsomest range made and offered for this season's sale. The nickel is rich and tasteful.

Water Backs and cast iron linings for all sizes if desired. Shipped with brick linings unless otherwise specified.

COLUMBIAN LUSTRE.

With Reservoir.



A Medium Priced Pit Hearth Range, made with Triplex Grate, Six-Hole Top, Sheet Flue, a Perfect Baker.

No.	Height of Range.	Oven Size.	Size of Pipe.	List, less Mantel.
86	28 $\frac{3}{4}$	10 $\times$ 16 $\times$ 10 $\frac{3}{4}$	6	\$45 85
78	29	18 $\times$ 18 $\times$ 11	7	49 70
88	29	18 $\times$ 18 $\times$ 11	7	50 40
80	30 $\frac{1}{4}$	20 $\times$ 20 $\times$ 12	7	60 55
90	30 $\frac{1}{4}$	20 $\times$ 20 $\times$ 12	7	61 60
82	32 $\frac{1}{2}$	22 $\times$ 22 $\times$ 13 $\frac{1}{2}$	7	71 05
92	32 $\frac{1}{2}$	22 $\times$ 22 $\times$ 13 $\frac{1}{2}$	7	71 75

This reservoir range can be furnished either with copper or cast iron enameled tank.

If desired thermometer can be used in oven door of this line of Ranges at a net price of \$1.00.

COLUMBIAN HERALD.



A Medium Price Pit Hearth Range, made with Triplex Grate, Six-Hole Top, Sheet Flue, a Perfect Baker.

No.	List Price less Mantel.	Height of Range.	Size of Oven.	Size of Pipe.	Size of Top, less Drop Shelf.
8-18A.....	\$38 85	29	18 X 18 X 11	6½	26 X 32
8-20A.....	48 65	30¼	20 X 20 X 12	7	27½ X 35
8-22A.....	58 10	32½	22 X 22 X 13½	7	30 X 37½
9-22A.....	59 15	32½	22 X 22 X 13½	7	30 X 37½

When ordered a thermometer can be put in the Oven Door of this line of Ranges for \$1.00 net.

Nickel Adornments: Nickel Top Band, Nickel Hearth Band, Nickel Outside Oven Shelf, Nickel Oven Door Panel, Nickel Kicker, Nickel Knobs and Nickel Holder for pie plate.

This Range can be fitted with all cast linings for coal burning.

This Range can be fitted with cast linings for wood burning.

COLUMBIAN HERALD.

With Reservoir.



No.	Height of Range.	Size of Oven.	Size of Pipe.	List Price with Reservoir, less Mantel.
8-18A.....	29	18 × 18 × 11	6½	\$50 40
8-20A.....	30¼	20 × 20 × 12	7	60 20
8-22A.....	32½	22 × 22 × 13½	7	69 65
9-22A.....	32½	22 × 22 × 13½	7	70 70

Add to list price for Nickeling Feet and Skirting.....\$3 85

Add to list price for Nickeling Ash Pit and Cover..... 3 50

In this Reservoir Range the water is rapidly heated for domestic use, and this convenience should not be overlooked by the purchaser.

Ornamentation—Nickel Top Band, Nickel Knobs, Nickel Ash Pit Band, Nickel Outside Oven Shelf, Nickel Oven Door Name Panel, Nickel Kicker, Nickel Shaker, Nickel Fire Door Shelf, and Nickel holder for Pie Plate.

COLUMBIAN EMBLEM.



A Medium-Priced Pit Hearth Range, made with Triplex Grate, Six-Hole Top, Sheet Flue, a Perfect Baker.

No.	Height of Range.	Oven Size.	Size of Pipe.	Size of Top, less drop shelf.	List less Mantel.
70-14	28¼	14 x 14 x 10¼	6	23½ x 29	\$29 40
70-16	28¾	16 x 16 x 10¾	6	25 x 32	32 20
80-16	28¾	16 x 16 x 10¾	6	25 x 32	33 25
70-18	29	18 x 18 x 11	7	26 x 32	37 10
80-18	29	18 x 18 x 11	7	26 x 32	37 80
80-20	30¼	20 x 20 x 12	7	27½ x 35	47 60
90-20	30¼	20 x 20 x 12	7	27½ x 35	48 65

Add for Nickeling Feet and Skirting, if desired, list\$3 85

Add for Nickeling Ash-pit and Cover, if desired, list 3 50

Add for Nickeling End Drop Shelf, list..... 1 40

Ornamentation—Nickel Top Band, Nickel Knobs, Nickel Ash Pit Band, Nickel Outside Oven shelf, Nickel Oven Door Name Panel, Nickel Kicker, Nickel Shaker, Nickel Fire Door Shelf.

Water Backs for all sizes except No. 70-14.

Water Back prices upon application.

COLUMBIAN EMBLEM.

With Reservoir.



No.	Height of Range.	Oven Size.	Size of Pipe.	List, less Mantel.
80-16.....	28¾	16 × 16 × 10¾	6	\$44 80
70-18.....	29	18 × 18 × 11	7	48 65
80-18.....	29	18 × 18 × 11	7	49 35
80-20.....	30¼	20 × 20 × 12	7	59 50
90-20.....	30¼	20 × 20 × 12	7	60 55

SUGGESTIONS AND DIRECTIONS.—The Pipe Collar indicates the size of the pipe to be used. Before firing your stove or attaching the pipe to the chimney see that the fire box fixtures in the stove are all in place and perfect. Your chimney should have a clean and strong draft. When baking close the reservoir damper by turning the handle toward the reservoir. To heat the water in the reservoir tank turn the handle toward oven.

Ornamentation—Nickel Top Band, Nickel Knobs, Nickel Ash Pit Band, Nickel Outside Oven Shelf, Nickel Oven Door Name Panel, Nickel Kicker, Nickel Shaker, Nickel Fire Door Shelf.

NEW CAPPELLO.

Series A.



Made With Right and Left-Hand Ovens. Showing a Right-Hand Range.

Loose Hearth. Six Holes. Sheet Flue. Triplex Grates.

No.	Oven Size.	Pipe.	Height.	Top, less drop shelf.	List, less Mantel.
7-18.....	18 X 18 X 12	7	32	26 $\frac{1}{4}$ X 34	\$47 25
8-18.....	18 X 18 X 12	7	32	26 $\frac{1}{2}$ X 35	49 35
8-20.....	20 X 20 X 13	7	32 $\frac{3}{4}$	28 X 36	54 60
8-22.....	22 X 22 X 14	7	33 $\frac{3}{4}$	29 $\frac{1}{2}$ X 39 $\frac{1}{2}$	60 55
9-22.....	22 X 22 X 14	7	33 $\frac{3}{4}$	29 $\frac{1}{2}$ X 39 $\frac{1}{2}$	62 65

Shipped with CLAY LININGS unless otherwise ordered.

Can furnish CAST LININGS if desired.

Nickel Adornments—Nickel Top Band, Nickel Oven Door Panel, Nickel Outside Oven Shelf, Nickel Number Plate, Nickel End Panel and Nickel Door Handles. Parts not mentioned can be Nickered at an EXTRA charge. See page 33.

Thermometers can be supplied for this line of ranges at \$1.00 net.

NEW CAPPELLO.

Series A. Showing Reservoir.



This Line of Ranges is Made With Both Right and Left-Hand Ovens.

No.	Oven.	List Price, less Mantel.
7-18.....	18 X 18 X 12	\$60 90
8-18.....	18 X 18 X 12	63 00
8-20.....	20 X 20 X 13	70 35
8-22.....	22 X 22 X 14	76 30
9-22.....	22 X 22 X 14	78 40

Add to the above list prices for Nickeling Hearth Shelf.....\$1 05
 Add to the above list prices for Nickeling Feet and Skirt..... 3 85
 Polishing (not nickeling) top, cross pieces, covers.....net 3 00
 Polishing (not nickeling) loose end Hearth Shelf.....net 50

To close Reservoir Damper turn handle up. Push Damper in to bake.

A cast plate to place in the fire box on top of Triplex Grate for summer use, or remove all Coal Fixtures and use cast linings for a perfect Wood Burning Fire Box.

COLUMBIAN ECHO.

Series B.



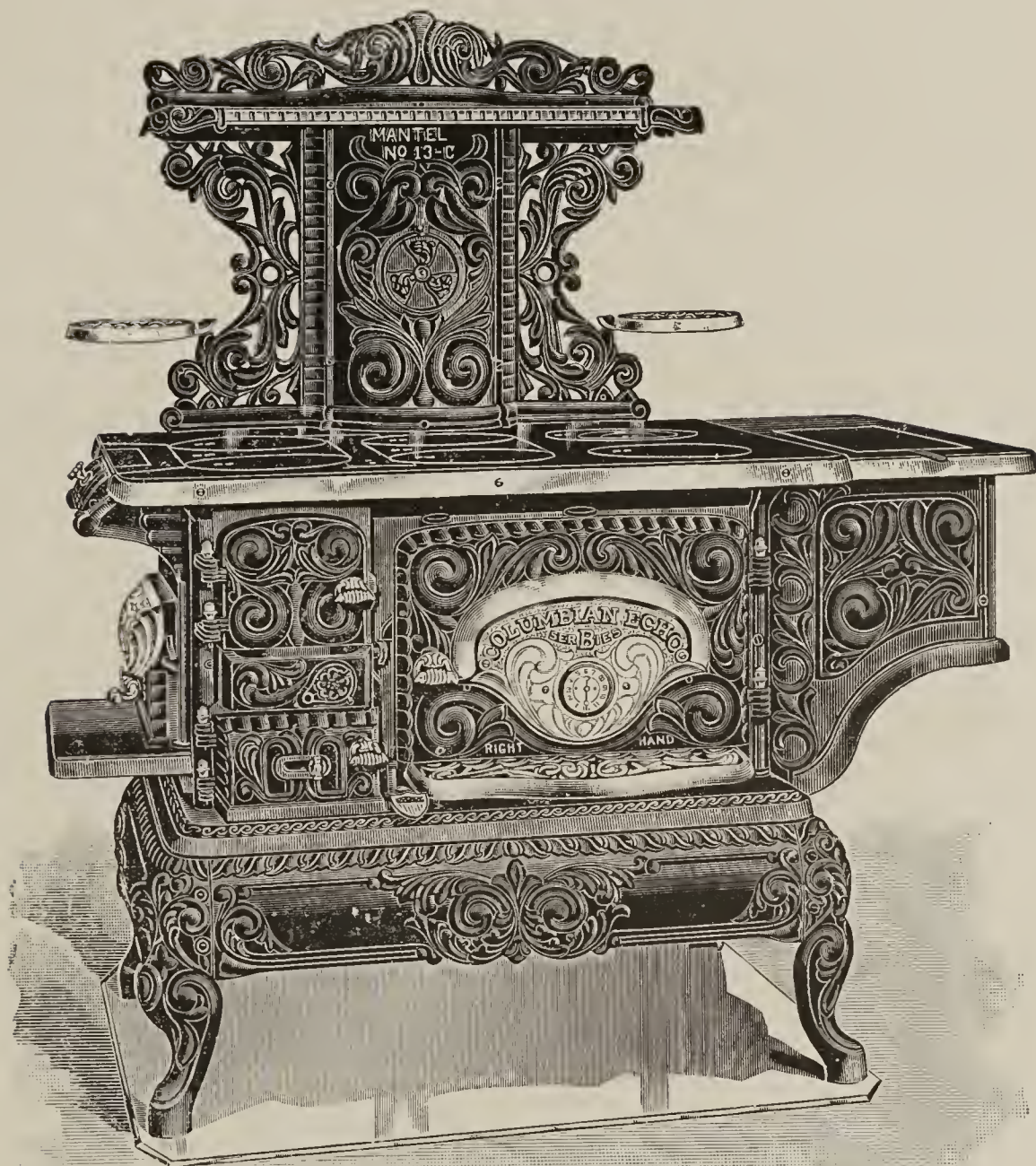
Right and Left-Hand Oven, Except No. 8-16.

No.	List, less Mantel.	Oven Size.	Height of Range.	Pipe Collar.	Top, less drop shelf.
8-16.....	\$37 45	16 $\frac{3}{4}$ $\times$ 17 $\frac{1}{4}$ $\times$ 10 $\frac{1}{2}$	29 $\frac{3}{4}$	6	26 $\frac{1}{2}$ $\times$ 31 $\frac{3}{4}$
7-18.....	41 30	18 $\frac{1}{4}$ $\times$ 18 $\frac{3}{4}$ $\times$ 11	30	7	26 $\frac{3}{4}$ $\times$ 35
8-18.....	42 35	18 $\frac{1}{4}$ $\times$ 18 $\frac{3}{4}$ $\times$ 11	30	7	26 $\frac{3}{4}$ $\times$ 35
8-20.....	48 65	20 $\frac{1}{2}$ $\times$ 20 $\frac{1}{4}$ $\times$ 12	31	7	28 $\frac{3}{4}$ $\times$ 36 $\frac{1}{2}$
9-20.....	49 35	20 $\frac{1}{2}$ $\times$ 20 $\frac{1}{4}$ $\times$ 12	31	7	28 $\frac{3}{4}$ $\times$ 36 $\frac{1}{2}$
Price List for Nickeling Feet and Skirt.....					\$3 85
Price List for Nickeling Top Drop Shelf.....					1 40
Price List for Nickeling End Hearth Shelf.....					1 05

Thermometers can be supplied for this line of ranges at \$1.00 net.

COLUMBIAN ECHO.

Series B. With Reservoir.



Right and Left-Hand Oven.

The Columbian Echo is without doubt the handsomest Range made. Trimmed with the latest and most elaborate Door Knobs, Nickel Oven Door Pedal, Nickel Outside Oven Shelf, Nickel Top Band, Nickel Ornament on End Door.

The Triplex Grate fitted to our "Special Fire Box" makes the Columbian Echo the most economical Range as a fuel burner offered to the purchaser. A perfect Baker—the Housewife's Delight.

The following Sizes made with Reservoir.

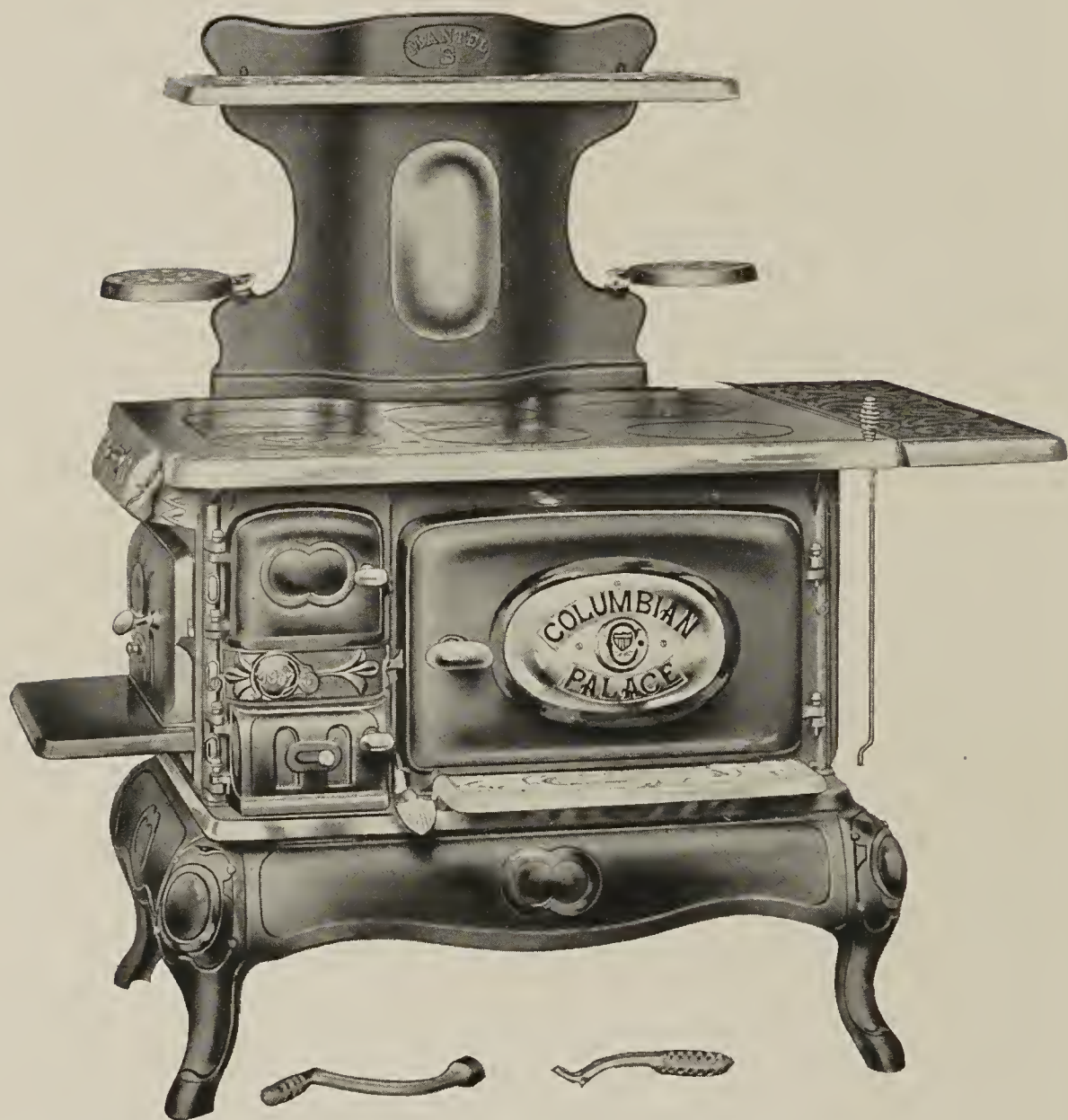
No.	List Price with Reservoir, Less Mantel.
7-18	\$52 85
8-18	53 90
8-20	59 15
9-20	59 85

List price does not include Thermometer. Thermometer, \$1.00 net extra.

When Mantels and Shelves or Closets are desired, the purchaser will add their respective list price to the list of the Range.

Write your repair order very clearly. We make other patterns of Echoes besides "Series B." The repair order must indicate for which stove the parts are needed.

COLUMBIAN PALACE.



Made with Right-Hand Oven. Loose Hearth. Six Holes. Sheet Flue. Triplex Grates.

No.	Height of Range.	Oven Size.	Size of Pipe.	Size of Top, less drop shelf.	List, less Mantel
86.....	28¾	16 × 16 × 10¾	6	25 × 32	\$30 45
78.....	29	18 × 18 × 11	7	26 × 32	34 30
88.....	29	18 × 18 × 11	7	26 × 32	35 00
80.....	30¼	20 × 20 × 12	7	27½ × 35	44 80
90.....	30¼	20 × 20 × 12	7	27½ × 35	45 85
82.....	32½	22 × 22 × 13½	7	30 × 37½	54 25
92.....	32½	22 × 22 × 13½	7	30 × 37½	54 60

Water Backs and cast iron linings for all sizes if desired. Shipped with brick linings unless otherwise specified.

List price does not include Thermometer. Thermometer, \$1.00 net extra.

The Columbian Palace is a very handsome plain pattern range, modern in its make-up, beautiful in design, with the following ornamentations: Nickel Top Band, Nickel Outside Oven Shelf, Nickel Knobs, Nickel Oven Door Panel.

COLUMBIAN PALACE.

With Reservoir.



No.	Height of Range.	Oven Size.	Size of Pipe.	List, less Mantel.
86	28¾	16 × 16 × 10¾	6	\$42 00
78	29	18 × 18 × 11	7	45 85
88	29	18 × 18 × 11	7	46 55
80	30¼	20 × 20 × 12	7	56 70
90	30¼	20 × 20 × 12	7	57 75
82	32½	22 × 22 × 13½	7	67 20
92	32½	22 × 22 × 13½	7	67 90

Add to the above list prices for Nickeling Hearth Shelf.....\$1 05

Add to the above list prices for Nickeling Feet and Skirt.....\$3 85

Polishing (ret nickeling) top, cross pieces, covers.....net 3 00

Polishing (not nickeling) loose end Hearth Shelf.....net 50

This Reservoir Range can be furnished either with copper or cast iron enameled tank.



HAPPY HOME "A" RANGE.

Right-Hand Oven Only.

A medium-priced Range, with Six-Hole Top, Heavy Solid Covers, Ventilated Oven, Sheet Flue; a Perfect Baker; Triplex Grate, without question the best and longest lived grate made.

No.	Height of Range.	Oven Size.	Size of Pipe.	Top, less drop shelf.	List, less Mantel.
7-14A.....	28 $\frac{1}{4}$	14 X 14 X 10 $\frac{1}{4}$	6	23 $\frac{1}{2}$ X 29	\$26 20
7-16A.....	28 $\frac{3}{4}$	16 X 16 X 10 $\frac{3}{4}$	6	25 X 32	29 00
8-16A.....	28 $\frac{3}{4}$	16 X 16 X 10 $\frac{3}{4}$	6	25 X 32	30 05
7-18A.....	29	18 X 18 X 11	7	26 X 32	33 90
8-18A.....	29	18 X 18 X 11	7	26 X 32	34 60
8-20A.....	30 $\frac{1}{4}$	20 X 20 X 12	7	27 $\frac{1}{2}$ X 35	43 40
9-20A.....	30 $\frac{1}{4}$	20 X 20 X 12	7	27 $\frac{1}{2}$ X 35	44 45
8-22A.....	32 $\frac{1}{2}$	22 X 22 X 13 $\frac{1}{2}$	7	30 X 37 $\frac{1}{2}$	53 20
9-22A.....	32 $\frac{1}{2}$	22 X 22 X 13 $\frac{1}{2}$	7	30 X 37 $\frac{1}{2}$	53 85

Ornamentation: Nickel Top Band, Nickel Outside Oven Shelf, Nickel Knobs, Nickel Oven Door Panel.

Can be fitted with Cast Iron Linings. Key Linings are Cast Iron at all times. The brick linings are for the oven side and water back side of Range.



HAPPY HOME
 "A" RANGE.
 With Reservoir.

No.	Height of Range.	Oven Size.	Size of Pipe.	List, less Mantel.
8-16A.....	28 $\frac{3}{4}$	16 X 16 X 10 $\frac{3}{4}$	6	\$41 60
7-18A.....	29	18 X 18 X 11	7	45 45
8-18A.....	29	18 X 18 X 11	7	46 15
8-20A.....	30 $\frac{1}{4}$	20 X 20 X 12	7	55 30
9-20A.....	30 $\frac{1}{4}$	20 X 20 X 12	7	56 35
8-22A.....	32 $\frac{1}{2}$	22 X 22 X 13 $\frac{1}{2}$	7	65 80
9-22A.....	32 $\frac{1}{2}$	22 X 22 X 13 $\frac{1}{2}$	7	66 50
List Price of Low Sliding Door Closets, Suitable for Star, Echo, Happy Home and Expert Ranges.				List Price for Feet and Skirting.
7-14.....				\$3 15
7-16 and 8-16.....				5 60
7-18 and 8-18.....				6 65
8-20 and 9-20.....				7 70
None made for 8-22 and 9-22.				4 20

COLUMBIAN JASPER.



A medium-priced Range, with Six-Hole Top, Heavy Solid Covers, Ventilated Oven, Sheet Flue; a Perfect Baker; Triplex Grate, without question the best and longest lived grate made.

No.	Height of Range.	Oven Size.	Size of Pipe.	Top, less drop shelf.	List, less Mantel.
70-14.....	28 $\frac{1}{4}$	14 × 14 × 10 $\frac{1}{4}$	6	23 $\frac{1}{2}$ × 29	\$24 80
70-16.....	28 $\frac{3}{4}$	16 × 16 × 10 $\frac{3}{4}$	6	25 × 32	27 60
80-16.....	28 $\frac{3}{4}$	16 × 16 × 10 $\frac{3}{4}$	6	25 × 32	28 65
70-18.....	29	18 × 18 × 11	7	26 × 32	32 50
80-18.....	29	18 × 18 × 11	7	26 × 32	33 20
80-20.....	30 $\frac{1}{4}$	20 × 20 × 12	7	27 $\frac{1}{2}$ × 35	42 00
90-20.....	30 $\frac{1}{4}$	20 × 20 × 12	7	27 $\frac{1}{2}$ × 35	43 05
Price List for Nickeling Feet and Skirting.....					\$3 85
Price List for Nickeling Top Drop Shelf.....					1 40
Price List for Nickeling End Hearth Shelf.....					1 05

Prices given for Water Backs upon application.

Ornamentation: Nickel Top Band, Nickel Outside Oven Shelf, Nickel Knobs, Nickel Oven Door Name Panel.

COLUMBIAN JASPER AND RESERVOIR.



No.	Height of Range.	Oven Size.	Size of Pipe.	List, less Mantel.
8-16A.....	28 $\frac{3}{4}$	16 $\times$ 16 $\times$ 10 $\frac{3}{4}$	6	\$40 20
7-18A.....	29	18 $\times$ 18 $\times$ 11	7	44 05
8-18A.....	29	18 $\times$ 18 $\times$ 11	7	44 75
8-20A.....	30 $\frac{1}{4}$	20 $\times$ 20 $\times$ 12	7	53 90
9-20A.....	30 $\frac{1}{4}$	20 $\times$ 20 $\times$ 12	7	54 95

Ornamentation: Nickel Top Band, Nickel Outside Oven Shelf, Nickel Knobs, Nickel Oven Door Panel.

Can be fitted with Cast Iron Linings. Key Linings are Cast Iron at all times. The brick linings are for the oven side and water back side of Range.

COLUMBIAN FAIRY.



Five-Hole Open End Range.

Made With Triplex Grate.

No.	Height.	Size of Top, less shelf.	Oven Size.	Size of Pipe.	List, less Mantel.
7-14.....	26½	20½ × 29	14 × 14 × 10¼	6	\$22 95
7-16.....	26¾	22¾ × 32	16 × 16 × 10¾	6	25 75
8-16.....	26¾	22¾ × 32	16 × 16 × 10¾	6	26 80
8-18.....	27½	23½ × 32	18 × 18 × 11	7	31 70

The highest grade of Five-Hole Range on the market. No dealer need hesitate to add it to his line or make it the leader of its class. The purchaser will select it because of its superior qualities.

Water Backs for all sizes except 7-14.

WALDRON.

Five-Hole Range.



Made with both Flat and Triplex Grates, but shipped with Flat Grate unless otherwise ordered.

No.	Oven Size.	Height.	Top, less drop shelf.	Size of Pipe.	List.
6-12.....	13½ × 12½ × 9	27½	19½ × 28	5	\$19 10
7-12.....	13½ × 12½ × 9	27½	19½ × 28	5	19 80
70-14.....	14 × 14 × 10¼	28¼	20½ × 29	6	21 20
70-16.....	16 × 16 × 10¾	29	22¾ × 32	6	24 00
80-16.....	16 × 16 × 10¾	29	22¾ × 32	6	24 70
80-18.....	18 × 18 × 11	29¼	23½ × 32	7	28 90

If triplex grate is desired add 50c. net.

The Waldron is entirely new in design and construction.

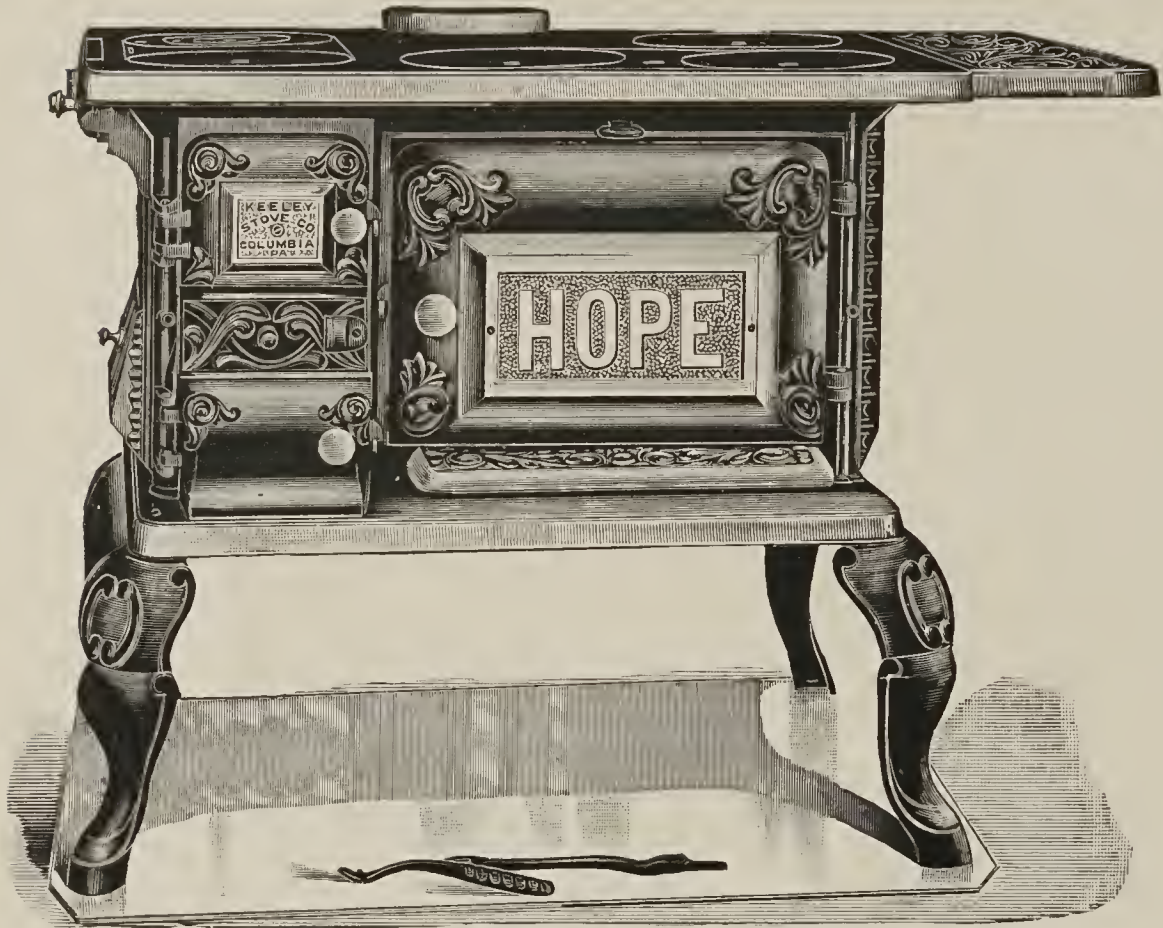
Nickel Trimmed:—Nickel Name Panel (large and showy), Nickel Outside Oven Shelf, Nickel Top Band, Nickel Door Knobs.

Description:—Removable Top Drop Shelf, Drop Feed Door, Triplex or Flat Grate, Loose Hearth Plate and Draft Slide in Fire End and Oven Door Opener.

The dealer that wants a leader of this class should pick and select the Waldron, or the buyer will go where he can find it. A perfect baker and full economizer. If you need such an article select the Waldron.

HOPE.

Five-Hole Range.



Made in Four Sizes with Flat Grate.

No.	Size of Oven, with door.	Height.	Top, less shelf.	Shelf.	Collar.	List.
7-12.....	13 × 14¾ × 9½	27	19½ × 28½	7	5	\$18 50
7-14.....	14 × 16¾ × 10	28	20½ × 29¼	7¼	6	19 90
8-16.....	15¾ × 17¾ × 10¾	28½	22¾ × 31¾	7¼	6	23 40
8-18.....	17½ × 19¼ × 11	29¼	24 × 35	7¼	7	27 40

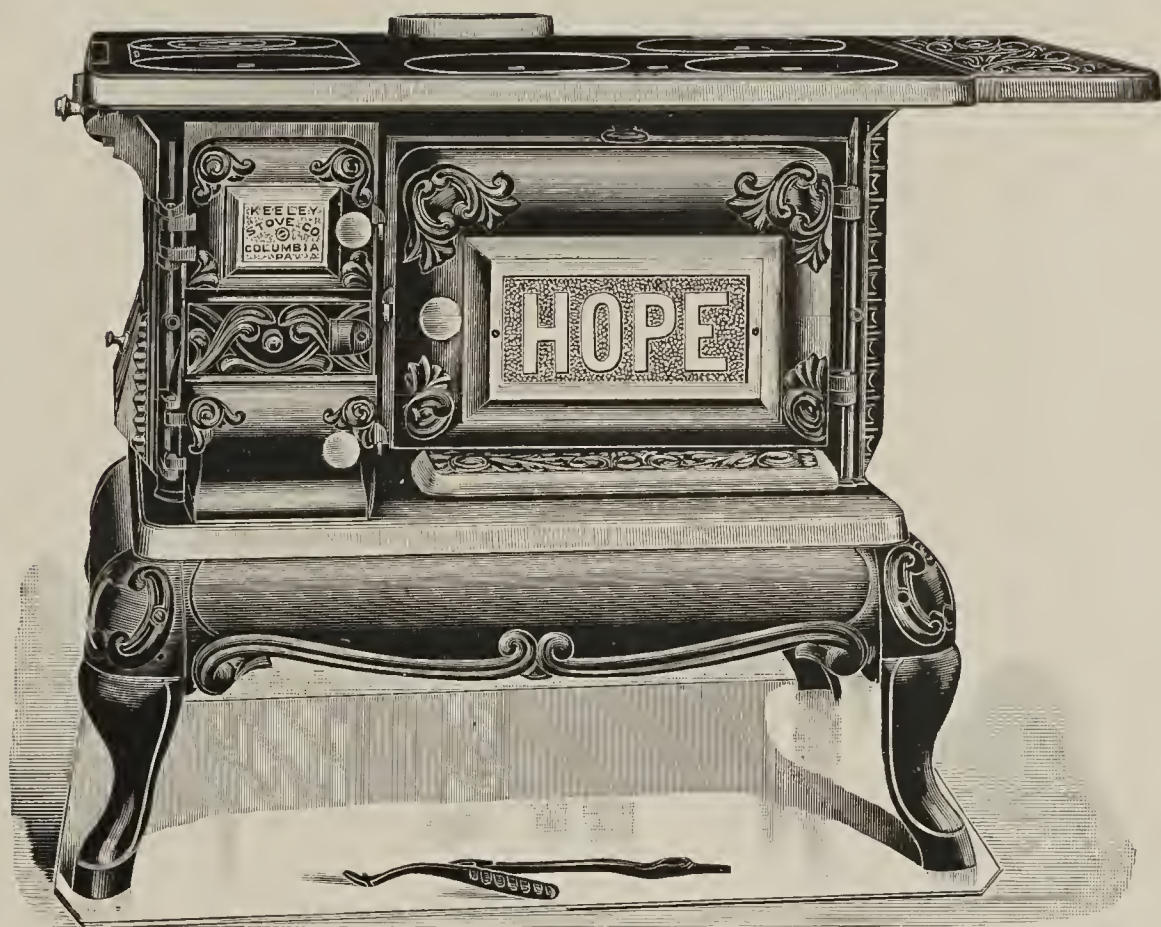
A very desirable range; perfect baker. Two sizes made for Water Backs, No. 8-16 and No. 8-18.

Nickel Adornments: Nickel Oven Door Panel, Knobs, Fire Door Panel and Outside Oven Shelf. No Nickel Top Band.

The above illustration is less skirted bottom. When the purchaser desires skirted bottom the order should so state.

HOPE ON FEET AND SKIRTS.

Five-Hole Range.



Made in Four Sizes with Flat Grate.

No.	Size of Oven, less door.	Height.	Top, less shelf.	Shelf.	Collar.	List.
7-12.....13	$\times 14\frac{3}{4} \times 9\frac{1}{2}$	27	$19\frac{1}{2} \times 28\frac{1}{2}$	7	5	\$19 90
7-14.....14	$\times 16\frac{3}{4} \times 10$	28	$20\frac{1}{2} \times 29\frac{1}{4}$	$7\frac{1}{4}$	6	21 65
8-16.....15	$\frac{3}{4} \times 17\frac{3}{4} \times 10\frac{3}{4}$	$28\frac{1}{2}$	$22\frac{3}{4} \times 31\frac{3}{4}$	$7\frac{1}{4}$	6	25 15
8-18.....17	$\frac{1}{2} \times 19\frac{1}{4} \times 11$	$29\frac{1}{4}$	24×35	$7\frac{1}{4}$	7	29 15

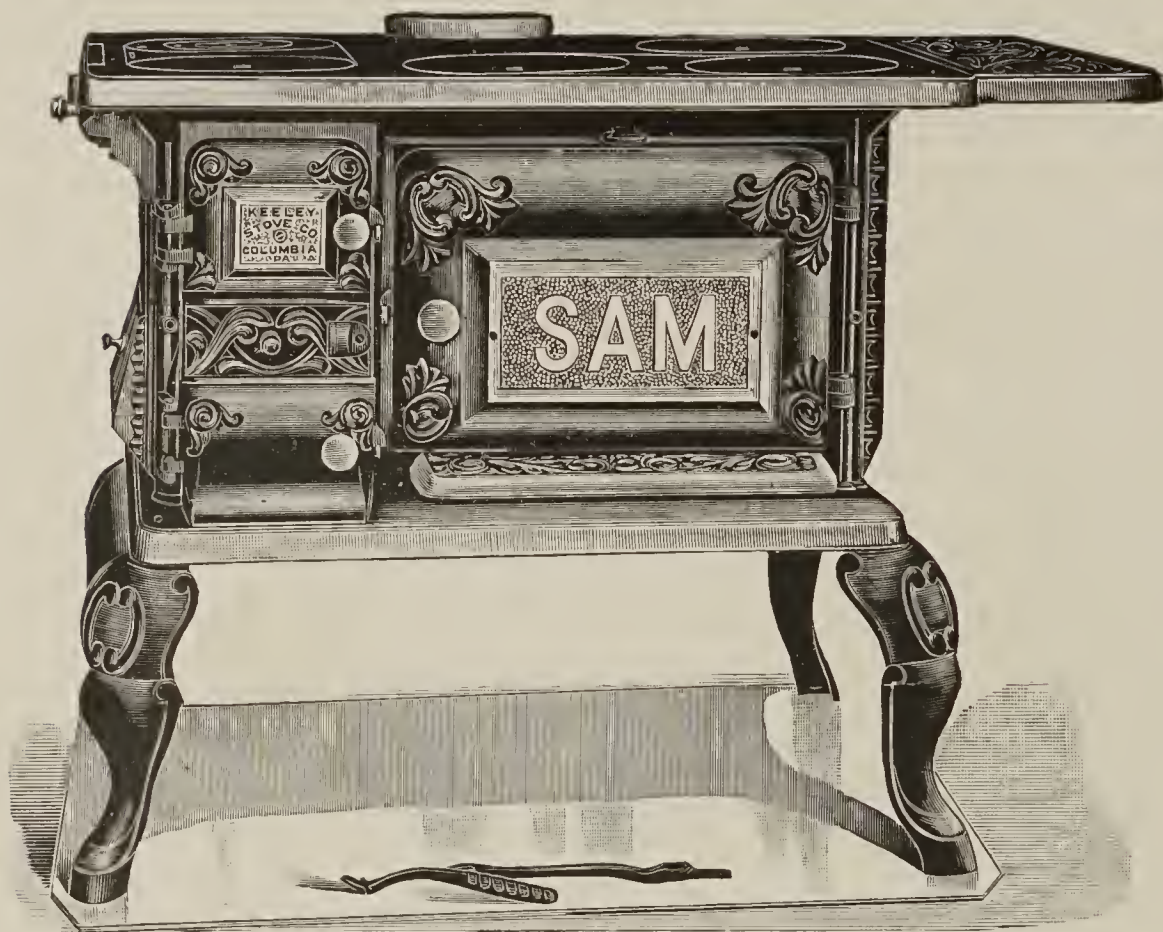
A very desirable range. Perfect baker. Two sizes made for Water Backs, No. 8-16 and No. 8-18.

Nickel Adornments: Nickel Oven Door Panel, Knobs, Fire Door Panel and Outside Oven Shelf. No Nickel Top Band.

The above illustration is with Feet and Skirts, and unless order states this clearly, the range on feet alone will be sent.

SAM.

Five-Hole Range.



Made in Four Sizes with Flat Grate.

No.	Size of Oven, with door.	Height.	Top, less shelf.	Shelf.	Collar.	List.
7-12.....	13 × 14¾ × 9½	27	19½ × 28½	7	5	\$18 50
7-14.....	14 × 16¾ × 10	28	20½ × 29¼	7¼	6	19 90
8-16.....	15¾ × 17¾ × 10¾	28½	22¾ × 31¾	7¼	6	23 40
8-18.....	17½ × 19¼ × 11	29¼	24 × 35	7¼	7	27 40

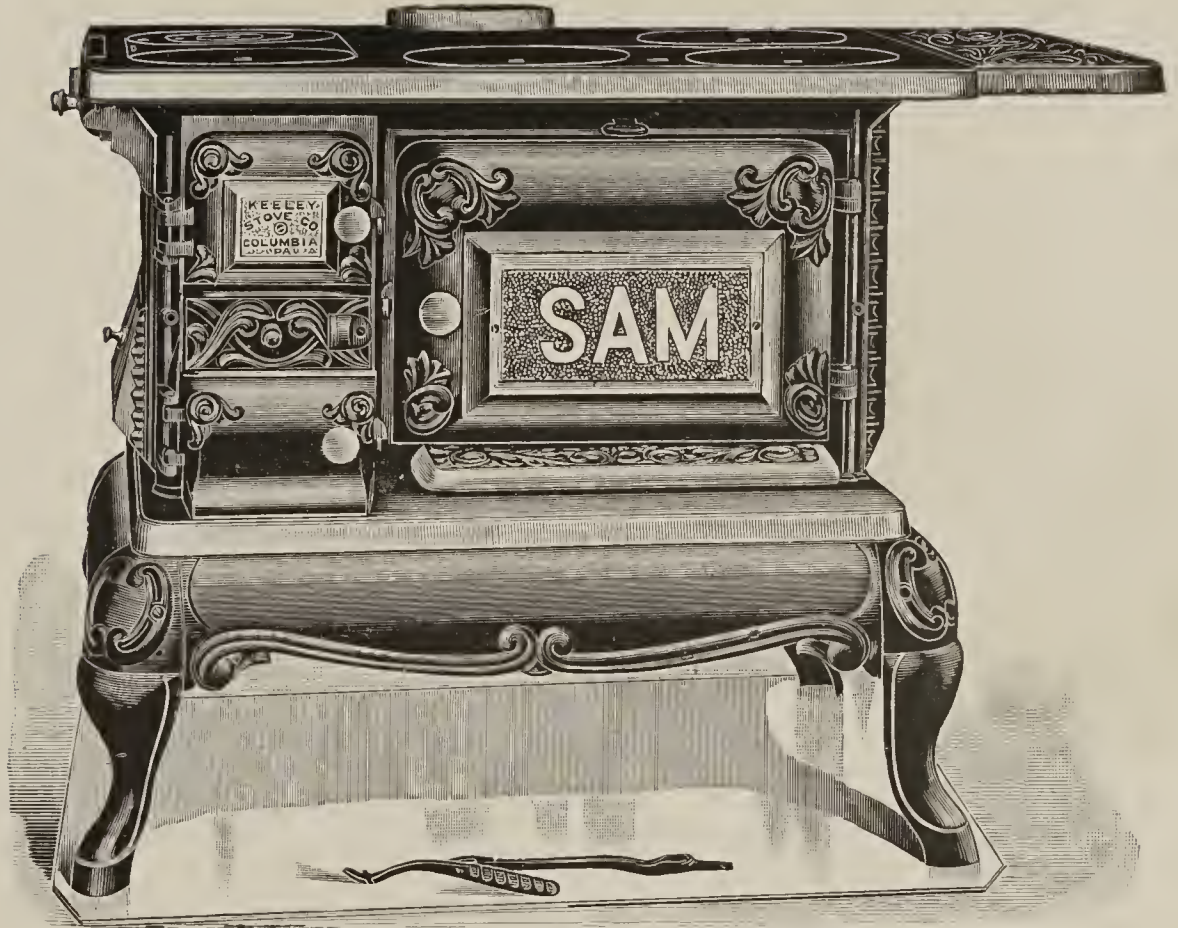
A very desirable range. Perfect baker. Two sizes made for Water Backs, No. 8-16 and No. 8-18.

Nickel Adornments: Nickel Oven Door Panel, Knobs, Fire Door Panel and Outside Oven Shelf. No Nickel Top Band.

The above illustration is less skirted bottom. When the purchaser desires skirted bottom the order should read with skirted bottom.

SAM ON FEET AND SKIRTS.

Five-Hole Range.



Made in Four Sizes with Flat Grate.

No.	Size of Oven, less door.	Height.	Top, less shelf.	Shelf.	Collar.	List.
7-12.....	13 × 14¾ × 9½	27	19½ × 28½	7	5	\$19 90
7-14.....	14 × 16¾ × 10	28	20½ × 29¼	7¼	6	21 65
8-16.....	15¾ × 17¾ × 10¾	28½	22¾ × 31¾	7¼	6	25 15
8-18.....	17½ × 19¼ × 11	29¼	24 × 35	7¼	7	29 15

A very desirable range. Perfect baker. Two sizes made for Water Backs, No. 8-16 and No. 8-18.

Nickel Adornments: Nickel Oven Door Panel, Knobs, Fire Door Panel and Outside Oven Shelf. No Nickel Top Band.

The above illustration is with Feet and Skirts, and unless order states this clearly, the range on feet alone will be sent.

COLUMBIAN ROSE "B."

Five-Hole Range, With Flat Grate.



This Range has been changed to meet the needs of a market desiring a modern Range at a desirable price.

Made less Top Band, Ash Pan and Kicker. With Nickel Fire Door Panel, Oven Door Panel, Outside Oven Shelf and Door Knobs.

Five sizes as described below.

No.	Size of Oven With Oven Door.	Pipe Collar.	Top, less drop shelf.	List.
6-10.....	11 × 13 × 8½	5	17½ × 24½	\$16 80
6-12.....	13 × 14¾ × 9½	5	19½ × 28½	18 20
7-12.....	13 × 14¾ × 9½	5	19½ × 28½	18 90
7-14.....	14 × 16¾ × 10	6	20½ × 29¼	20 65
8-16.....	15¾ × 17¾ × 10¾	6	22¾ × 31¾	24 15
8-18.....	17½ × 19¼ × 11	7	24 × 35	28 15

NEW DARLING.

Five-Hole Range, With Flat Grate.



Made less Skirting, Top Band, Ash Pan and Kicker. With Nickel Fire Door Panel, Oven Door Panel, Outside Oven Shelf and Knobs.

Five sizes, described as follows:

No.	Size of Oven With Oven Door.	Pipe Collar.	Top, less drop shelf.	List.
6-10.....	11 × 13 × 8½	5	17½ × 24½	\$15 40
6-12.....	13 × 14¾ × 9½	5	19½ × 28½	16 80
7-12.....	13 × 14¾ × 9½	5	19½ × 28½	17 50
7-14.....	14 × 16¾ × 10	6	20½ × 29¼	18 90
8-16.....	15¾ × 17¾ × 10¾	6	22¾ × 31¾	22 40
8-18.....	17½ × 19¼ × 11	7	24 × 35	26 40

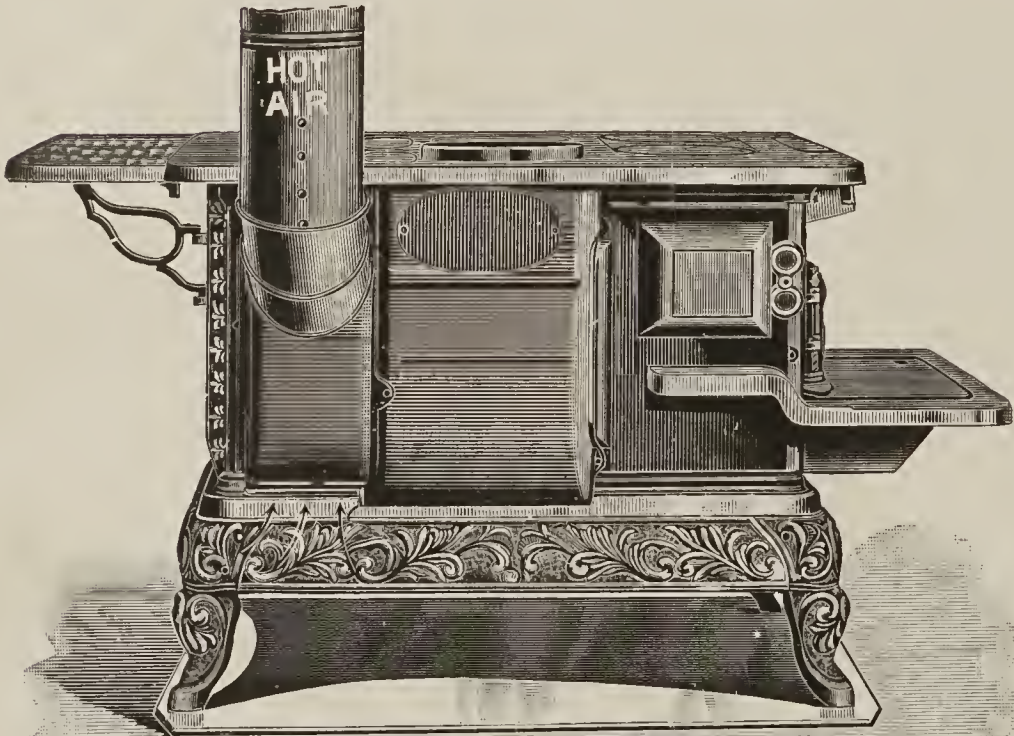
PET RANGE.

Two-Hole.		
No.		
61	.....	\$11 90
71	.....	14 00
81	.....	16 10

Four-Hole.		
No.		
62	.....	14 00
72	.....	16 10
82	.....	18 20



Double Heating Attachments.



The application shown in the above cut is perfectly adapted to the following Ranges of our make:

Columbian Choice.

New Cappello.

Columbian Plato.

7-18, 8-18

7-18, 8-18

7-18, 8-18

8-20, 9-20

8-20, 9-20

8-20, 9-20

8-22, 9-22

8-22, 9-22

8-22, 9-22

The dealer will please add to the respective prices of these Ranges \$5.25 list, for this Double Heating Attachment, complete.

Heating Attachment, less Elbow..... \$3.50

INSTRUCTIONS FOR ITS USE.—Open the oven door slightly and pull out the Hot Air Damper, if you wish to throw the heat from the oven upstairs. When the oven is in use for baking or roasting, close the damper by pushing it in as tightly as possible.

GOLDEN GRAIN COOK.



No.	List Price.	Fire Box, Wood.	Fire Box, Coal.	Top.
170.....	\$37 10	5½ × 7½ × 22	5½ × 7 × 16	25 × 30
180.....	46 20	6½ × 8 × 24	6½ × 8 × 18	26½ × 32
72.....	43 40	6½ × 8 × 24	6½ × 8 × 18	26½ × 32
190.....	55 10	6½ × 9 × 27	6½ × 9 × 19½	29 × 34
82.....	51 45	6½ × 9 × 27	6½ × 9 × 19½	29 × 34
92.....	59 15	6½ × 10½ × 29	6½ × 10½ × 21½	32 × 36

No.	Drop Shelf.	Oven, Less Door.	Height.	Weight.	Size of Pipe.	Circum. of Pipe.
170.....	8¼ × 23	20 × 19 × 13 × 7¾	29½	308	6	- 19¼
180.....	8¼ × 26	22 × 20 × 14½ × 8	31	350	6½	- 20¾
72.....	8¼ × 26	22 × 20 × 14½ × 8	31	348	6½	- 20¾
190.....	8¼ × 26	24 × 21½ × 15 × 8½	32	414	7	- 21⅞
82.....	8¼ × 26	24 × 21½ × 15 × 8½	32	410	7	- 21⅞
92.....	10 × 29	26 × 22 × 16 × 8½	33	490	7	- 22¼

Add for Polishing Ash-pit and Ash-pit Cover.....	net \$1 50
Add for Polishing Top, Covers and Centres.....	net 2 50
Add to the above list prices for Nickeling Outside Oven Shelf.....	70
Add to the above list prices for Nickeling Drop Shelf.....	1 40
Add to the above list prices for Nickeling Feet and Skirting.....	3 85

Shipped less Skirting, unless the order reads otherwise.

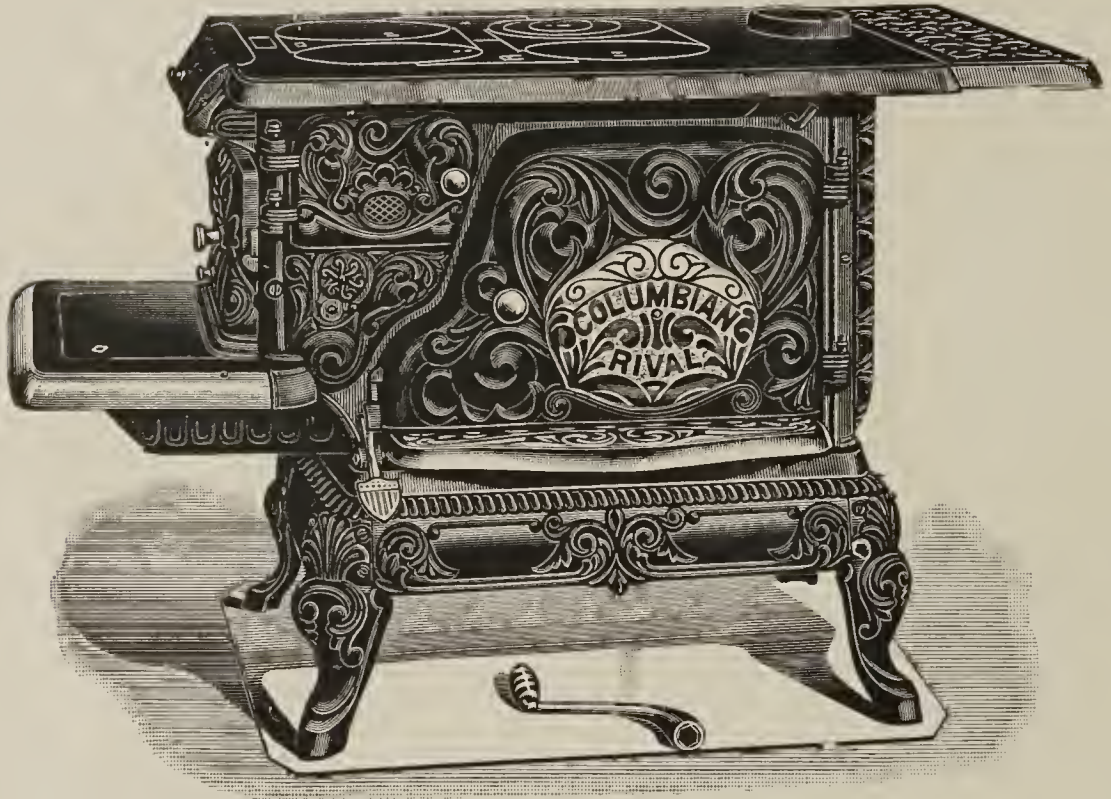
For Skirting, add \$2.10, list price, per set.

This series, 1898, Nos. 170, 180, 72, 190, 82 and 92 are made with cut Centres. When ordering Centres say "cut" or "solid," as desired; cut will not fit in former series.

Mantel D fits all sizes.

COLUMBIAN RIVAL.

With Skirted Base.



Medium Price Four-Hole Cook Stove.

No.	Price List.	Oven Size.	Length of Wood.
7-18.....	\$35 70	18 × 18 × 11	17½
8-18.....	36 40	18 × 18 × 11	17½
8-20.....	41 30	21 × 20 × 12	19½
9-20.....	42 00	21 × 20 × 12	19½
8-22.....	47 60	23 × 22 × 12¾	21
9-22.....	48 30	23 × 22 × 12¾	21

Columbian Rival, the most desirable and attractive Stove manufactured for the money. Made with Triplex Grate for coal. Wood Fixtures, Flat Grate for wood burning, with a Suitable Oven and Broiler Door Lining, and Flat Plate for wood burning, with Triplex Grate.

Points of Value—Ventilated Oven, Perfect Baker, Large Ash Pan, Oven Door Pedal, Economical in Fuel.

Warranted. Beautifully trimmed, Nickel Panel on Oven Door, Nickel Outside Oven Shelf, Nickel Band around Ash-pit.

Fuel—Coke, Anthracite and Bituminous Coal or Wood.

Nickel Ornaments—Nickel Oven Door Panel, Nickel Oven Shelf, Nickel Hearth Band, Nickel Kicker and Nickel Knobs.

When ordering "Rivals" state whether skirted base is desired or not.

COLUMBIAN RIVAL.

With Reservoir and Skirted Base.



Medium Price Four-Hole Cook Stove.

No.	Price List with Ruby Skirting.	Oven Size.
7-18.....	\$49 00	18 X 18 X 11
8-18.....	49 70	18 X 18 X 11
8-20.....	54 60	21 X 20 X 12
9-20.....	55 30	21 X 20 X 12
8-22.....	60 90	23 X 22 X 12¾
9-22.....	61 60	23 X 22 X 12¾

Porcelain Lined or Copper Reservoir Tank. A heavy, durable Cook. The article needed for durability. Same trimmings as the square top.

When ordering "Rivals" state whether skirted base is desired or not. Shipped either way. Without skirting as a rule.

COLUMBIAN RIVAL.



Medium Price Four-Hole Cook Stove.

No.	Price List.	Oven Size.
7-18.....	\$33 60	18 X 18 X 11
8-18.....	34 30	18 X 18 X 11
8-20.....	39 20	21 X 20 X 12
9-20.....	39 90	21 X 20 X 12
8-22.....	45 50	23 X 22 X 12 $\frac{3}{4}$
9-22.....	46 20	23 X 22 X 12 $\frac{3}{4}$

Columbian Rival, the most desirable and attractive Stove manufactured for the money. Made with Triplex Grate for coal. Wood Fixtures. Flat Grate for wood burning, with a suitable Oven and Broiler Door Lining, and Flat Plate for wood burning, with Triplex Grate.

Points of Value—Ventilated Oven, Perfect Baker, Large Ash Pan, Oven Door Pedal, Economical in Fuel. Warranted. Beautifully Trimmed, Nickel Panel on Oven Door, Nickel Outside Oven Shelf, Nickel Band around Ash-pit.

Fuel—Coke, Anthracite and Bituminous Coal or Wood.

The above is a stove fitted with a shank or drive foot, and the purchaser when needing repairs for a stove differently trimmed should state his wants clearly.

COLUMBIAN RIVAL.

With Reservoir.



Medium Price Four-Hole Cook Stove.

No.	Price List.	Oven Size.
7-18.....	\$46 90	18 X 18 X 11
8-18.....	47 60	18 X 18 X 11
8-20....	52 50	21 X 20 X 12
9-20.....	53 20	21 X 20 X 12
8-22.....	58 80	23 X 22 X 12 $\frac{3}{4}$
9-22.....	59 50	23 X 22 X 12 $\frac{3}{4}$

Columbian Rival burns Coke, any kind of Coal or Wood.

Porcelain Lined or Copper Reservoir Tank. A heavy, durable Cook. The article needed for durability. Same trimmings as the square top. "Warranted."

When ordering "Rivals" state whether Skirted Base is desired or not. Shipped either way.

COLUMBIAN SPECIAL.



A Medium Priced Four-Hole Cook Stove.

No.	Oven Size.	Length of Wood.	Size of Pipe.	Price List.
7-18.....	19 × 18 × 11	17½	6½	\$32 20
8-18.....	19 × 18 × 11	17½	6½	32 90
8-20.....	21 × 20 × 12	19½	6½	37 80
9-20.....	21 × 20 × 12	19½	6½	38 50

The Columbian Special—The most desirable and attractive Stove manufactured for the money. Made with Triplex Grate for coal.

Wood Fixtures—Flat Grate for wood burning, with suitable Oven and Broiler Door Linings and Flat Plate for wood burning with Triplex Grate.

Points of Value—Ventilated Oven, Perfect Baker, Large Ash Pan, Oven Door Pedal.

Economical in Fuel, Beautifully Trimmed, Nickel Panel on Oven Door, Nickel Outside Oven Shelf.

Every Stove Warranted.

Fuel—Coke, Anthracite and Bituminous Coal, Wood.

COLUMBIAN SPECIAL.

With Reservoir.



No.	Oven Size.	Length of Wood.	Size of Pipe.	Price List.
7-18.....	19 × 18 × 11	17½	6½	\$45 50
8-18.....	19 × 18 × 11	17½	6½	46 20
8-20.....	21 × 20 × 12	19½	6½	51 10
9-20.....	21 × 20 × 12	19½	6½	51 80

Porcelain Lined or Copper Reservoir Tank furnished.

Always specify in your order which kind is desired.

Beautifully Trimmed. Nickel Panel on Oven Door. Nickel Outside Oven Shelf.

Every Stove Warranted.

COLUMBIAN FAME.

For Wood Only.



A Cheap, Handsome and Up-to-Date Wood Cook.

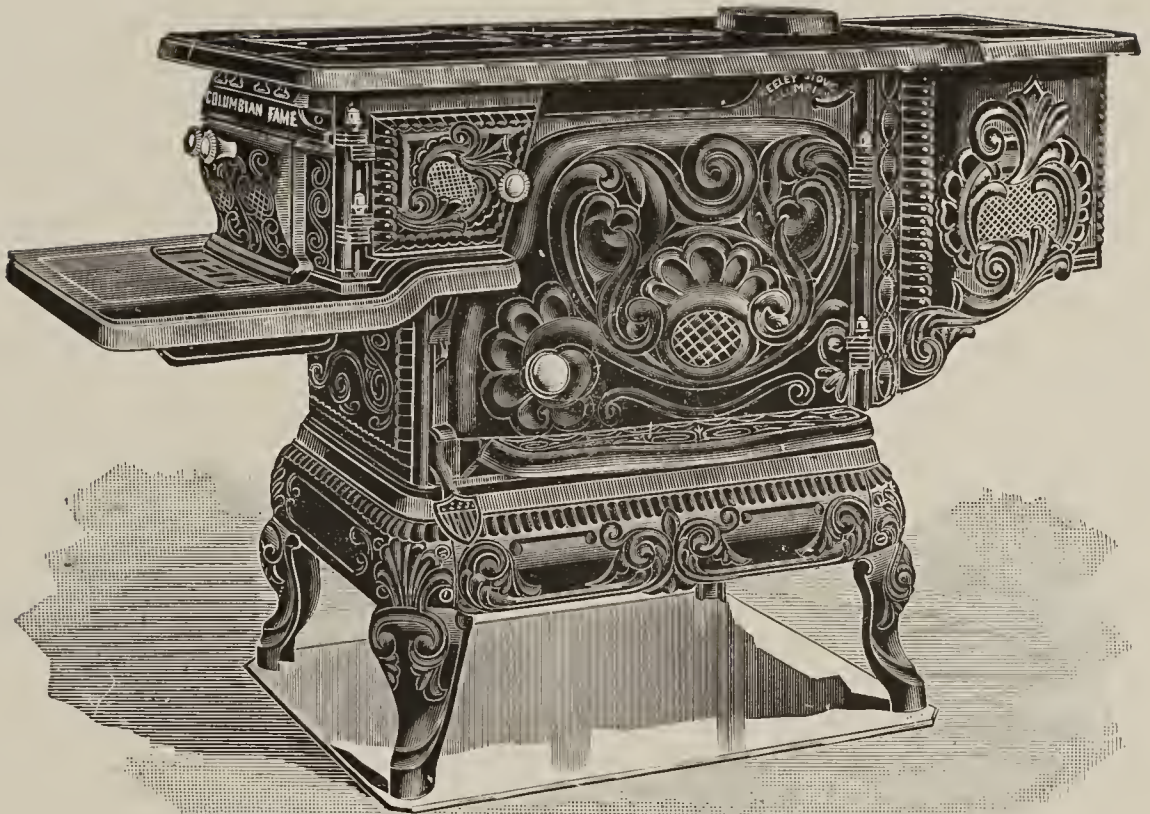
With Plain Back Drop Shelf. Outside Oven Shelf. Kicker. No Nickel except the Knobs. Made in eight sizes. With Fire Plate.

No.	List.	Oven.	Fire Box.	Top with Drop Shelf.	H'ght.	Pipe	Circum.	Wt.
7-17....	\$23 80	17 × 17 × 10¾	6 × 7½ × 16	22½ × 33	27	5½	17¼	215
8-17....	24 15	17 × 17 × 10¾	6 × 7½ × 16	22½ × 33	27	5½	17¼	220
7-19....	27 65	19 × 19 × 11¼	6 × 8 × 18	25½ × 35¾	28	6	19¼	245
8-19....	28 00	19 × 19 × 11¼	6 × 8 × 18	25½ × 35¾	28	6	19¼	250
8-21....	31 85	21 × 21 × 12	6½ × 9 × 20	27½ × 37¾	29	6½	20½	285
9-21....	31 85	21 × 21 × 12	6½ × 9 × 20	27½ × 37¾	29	6½	20½	290
8-23....	36 05	23 × 23 × 12¾	7 × 9½ × 23	29 × 40½	30	7	22	315
9-23....	36 05	23 × 23 × 12¾	7 × 9½ × 23	29 × 40½	30	7	22	320

When ordering "Columbian Fames," as illustrated above, say "With Skirted Bottom." Made with and without Skirted Base.

COLUMBIAN FAME.

With Reservoir. For Wood Only.



A Very Superior Reservoir Wood Cook.

With Nickel Knobs on Doors, Ventilated Ovens and the highest style of Hand-Carved Ornamentation, with Outside Oven Shelf and Kicker.

Made with or without "Skirted Base."

Make your order state clearly what you want.

No.	List Price.	Weight.
7-19.....	\$40 25	275
8-19.....	40 25	280
8-21.....	45 15	320
9-21.....	45 15	325
8-23.....	49 35	360
9-23.....	49 35	370

Measurements and description of the Stove, less Reservoir, given on opposite page.

COLUMBIAN FAME.

For Wood Only.



A Cheap, Handsome and Up-to-Date Wood Cook.

With Plain Back Drop Shelf. Outside Oven Shelf. Made in nine sizes. With Fire Plate.

No.	List.	Ovens.			Fire Box.			Top with Drop Shelf.	Height.	Pipe.	Circum.	Wt.
7..	\$14 70	14 $\frac{1}{4}$	$\times$ 14 $\frac{1}{4}$	$\times$ 9 $\frac{3}{4}$	5	$\times$ 6 $\frac{1}{2}$	$\times$ 16	19 $\times$ 28	25 $\frac{3}{4}$	5 $\frac{1}{2}$	17 $\frac{1}{4}$	126
7-17..	21 70	17	$\times$ 17	$\times$ 10 $\frac{3}{4}$	6	$\times$ 7 $\frac{1}{2}$	$\times$ 16	22 $\frac{1}{2}$ $\times$ 33	27	5 $\frac{1}{2}$	17 $\frac{1}{4}$	175
8-17..	22 05	17	$\times$ 17	$\times$ 10 $\frac{3}{4}$	6	$\times$ 7 $\frac{1}{2}$	$\times$ 16	22 $\frac{1}{2}$ $\times$ 33	27	5 $\frac{1}{2}$	17 $\frac{1}{4}$	183
7-19..	25 55	19	$\times$ 19	$\times$ 11 $\frac{1}{4}$	6	$\times$ 8	$\times$ 18	25 $\frac{1}{2}$ $\times$ 35 $\frac{1}{4}$	28	6	19 $\frac{1}{4}$	213
8-19..	25 90	19	$\times$ 19	$\times$ 11 $\frac{1}{4}$	6	$\times$ 8	$\times$ 18	25 $\frac{1}{2}$ $\times$ 35 $\frac{1}{4}$	28	6	19 $\frac{1}{4}$	215
8-21..	29 75	21	$\times$ 21	$\times$ 12	6 $\frac{1}{2}$	$\times$ 9	$\times$ 20	27 $\frac{1}{2}$ $\times$ 37 $\frac{3}{4}$	29	6 $\frac{1}{2}$	20 $\frac{1}{2}$	252
9-21..	29 75	21	$\times$ 21	$\times$ 12	6 $\frac{1}{2}$	$\times$ 9	$\times$ 20	27 $\frac{1}{2}$ $\times$ 37 $\frac{3}{4}$	29	6 $\frac{1}{2}$	20 $\frac{1}{2}$	252
8-23..	33 95	23	$\times$ 23	$\times$ 12 $\frac{3}{4}$	7	$\times$ 9 $\frac{1}{2}$	$\times$ 23	29 $\times$ 40 $\frac{1}{2}$	30	7	22	285
9-23..	33 95	23	$\times$ 23	$\times$ 12 $\frac{3}{4}$	7	$\times$ 9 $\frac{1}{2}$	$\times$ 23	29 $\times$ 40 $\frac{1}{2}$	30	7	22	285

This line of goods, Columbian Fames, are made with Skirted Bottom, as shown on page 58.

They are shipped as illustrated above unless the purchaser says "With Skirted Bottom." Order clearly.

COLUMBIAN FAME.

With Reservoir. For Wood Only.



Six Sizes.

A very superior Reservoir Wood Cook, with Nickel Knobs on Doors, with Outside Oven Shelf and Kicker. Ventilated Ovens and the highest style of Hand Carved Ornamentation.

Warranted to be perfect in every particular.

No.	List Price.	Weight.
7-19.....	\$38 15	250
8-19.....	38 15	250
8-21.....	43 05	290
9-21.....	43 05	290
8-23.....	47 25	325
9-23.....	47 25	325

Measurements and description of Stove, less Reservoir, given on opposite page.

COLUMBIAN VETERAN.



A Cheap, Handsome and Up-to-Date Wood Cook.

A good plain but substantial Cook with a large modern Oven ; the Ornamentation of the highest style of Hand-Carving.

Warranted to be perfect in every particular. Made in three sizes only.

No.	Oven.	Top.	Height.	Pipe.	Price List.
7	$14\frac{1}{4} \times 14\frac{1}{4} \times 9\frac{3}{4}$	19×28	$25\frac{3}{4}$	$5\frac{1}{2}$	\$13 65
7-17	$17 \times 17 \times 10\frac{3}{4}$	$22\frac{1}{2} \times 33$	27	$5\frac{1}{2}$	20 65
8-17	$17 \times 17 \times 10\frac{3}{4}$	$22\frac{1}{2} \times 33$	27	$5\frac{1}{2}$	21 00

Order a sample line of this trade winner at once.

COLUMBIAN STEEL CLOSET.



Four Sizes—Nos. 1, 2, 3 and 4. Made from the Best of Steel.

List Price.....\$14 00

Length of Closet across the front:

No. 1—31¼ inches. No. 2—34½ inches. No. 3—36 inches. No. 4—38¾ inches.

No 1 fits the following: 70-16, 80-16 Columbia Expert; 8-16 Happy Home, first pattern, takes 6-inch pipe.

70-18, 80-18 Jasper, Emblem and Happy Home "A"; 70-18, 80-18 Expert; 8-18 "A" Aurora takes 6½-inch pipe.

7-18, 8-18 New Cappello and Choice takes 7-inch pipe.

No. 2 fits the following: 7-18, 8-18 Star "B" and Echo "B"; 8-18 Happy Home, first pattern, takes 6½-inch pipe.

80-20, 90-20 Jasper, Emblem and Happy Home "A"; 8-20 "A" Aurora takes 7-inch pipe.

No. 3 fits the following: 8-20, 9-20 Star "B," Echo "B," New Cappello, Choice; 8-20 Expert; 8-22, 9-22 "A" Happy Home and Aurora takes 7-inch pipe.

No. 4 fits the following: 8-22, 9-22 New Cappello and Choice takes 7-inch pipe.

The pipe for these closets are made, as a rule, same size at top as at the bottom. See pipe sizes.

In some of the above statements, as to stoves to which this closet is adapted, you must be governed by the length across the front because the ends of the closet do not match in many cases even with the above tops, but we regard the closet applicable to the Ranges named above.

Mantel "K" High



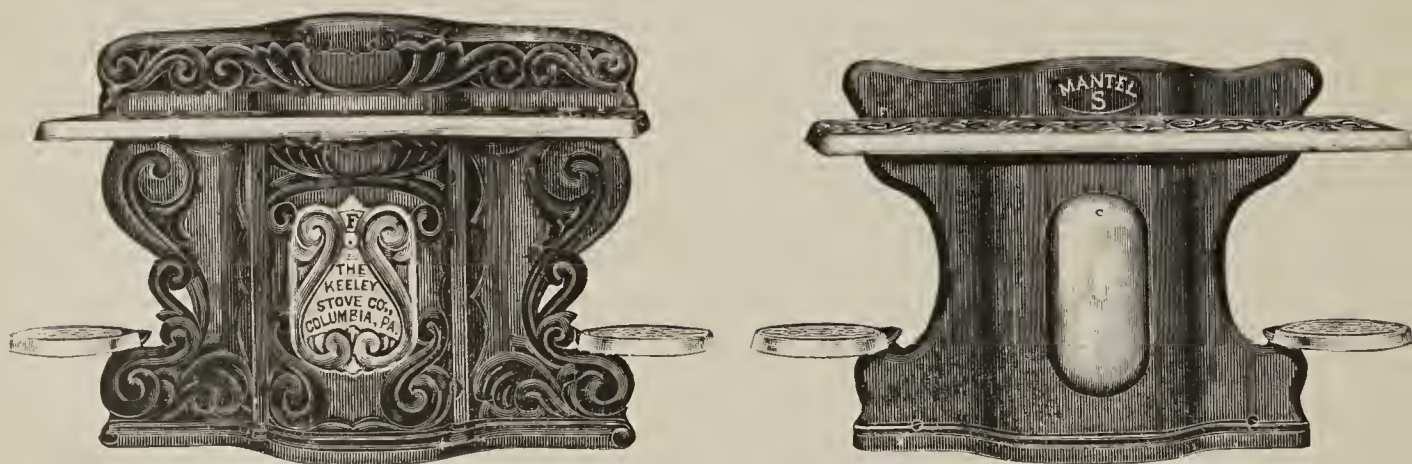
Mantel "K" Low



List Price.....\$4 55

List Price.....\$11 20

When ordering the above Mantels state whether "High" or "Low" is desired.

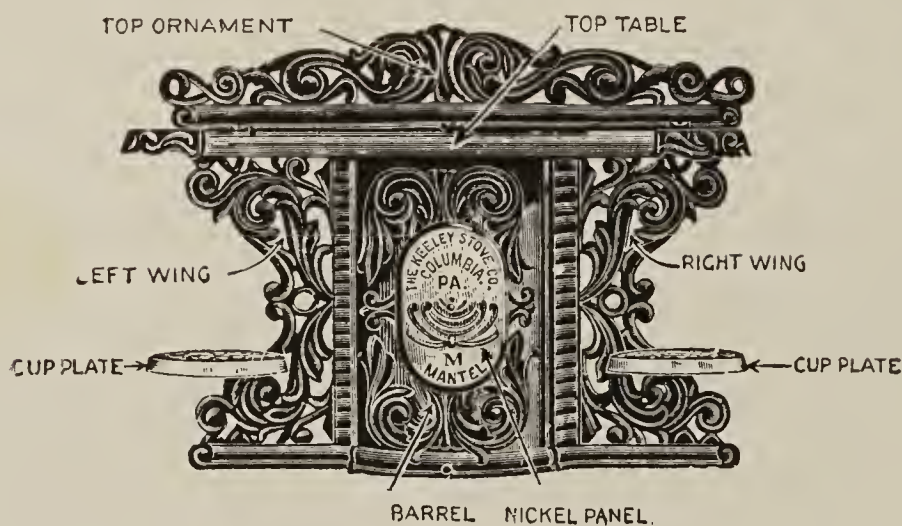


MANTEL " F " SEMI-PLAIN.

Mantel " F " Style No. 1.	With nickel cup plates and name plate.....	\$5 95
Mantel " F " Style No. 2.	With nickel cup plates, name plate and top table.....	7 00
Mantel " F " Style No. 3.	With nickel cup plates, name plate, top table and top ornament	7 70
Mantel " F " Style No. 4.	With all parts nickeled except barrel.....	9 10
Mantel " F " Style No. 5.	With all parts nickeled.....	10 15

MANTEL " S " PLAIN.

Mantel " S " Style No. 1.	With nickel cup plates and name plate.....	5 25
Mantel " S " Style No. 2.	With nickel cup plates, name plate and top table.....	6 30
Mantel " S " Style No. 3.	With all parts nickeled.....	9 45



The above illustration is intended to help the dealer when ordering the parts of the Mantel which may be needed for repairs. The Mantel illustrated above is one with an open back.



Mantels D and A are one and the same Mantel, in list price, style and finish. Mantel A, however, is designed for smaller Ranges.

Mantel D fits Nos. 7-18, 8-18, 8-20, 9-20, 8-22, 9-22 New Cappello, Series "A," and Columbian Choice Series "A"; Nos. 7-16, 8-16, 7-18, 8-18, 8-20, 9-20 Columbian Echo, Series "B," and Columbian Star, Series "B"; Nos. 7-16, 8-16, 7-18, 8-18 Happy Home "A"; Nos. 7-18, 8-18 Jasper, Fairy, Emblem and Rose; Nos. 8-19, 8-21, 9-21 Triumph; Nos. 7-19, 8-19, 8-21, 9-21, 8-23, 9-23 Columbian Fame; Nos. 8-20, 9-20, 8-22 and 9-22 Merit.

Mantel A fits Nos. 6-10, 6-12, 7-12, 7-14, 7-16 and 8-16 Columbian Rose, Jasper, Fairy and Emblem; Nos. 7-14, 7-16 and 8-16 Happy Home "A"; No. 8-19 Triumph; Nos. 7-14, 7-16 and 8-16 Columbian Echo, Series "B," and Columbian Star, Series "B."

The above Mantels are Shell Mantels; that is, without backs.

Mantels A and D, Style 1 (with Nickel Cup Plates and Nickel Name Plate).....	List. \$4 90
Mantels A and D, Style 2 (with Nickel Cup Plates, Nickel Name Plate and Nickel Top Table) ..	5 95
Mantels A and D, Style 3 (Nicked complete, with Nickel Cup Plates).....	8 82



Mantel M, no Back in Barrel
of this Mantel.

Back in Barrel of this Mantel.

Mantels 11, 12 and 13 E, all same list price.

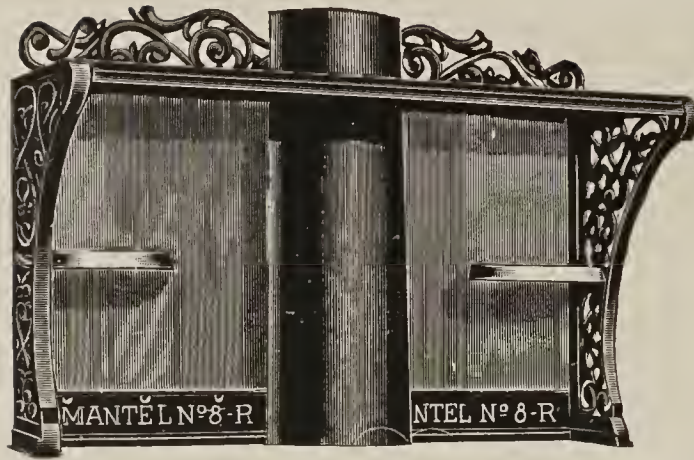
Mantel M, Style 1 (with Nickel Cup Plates and Nickel Name Plate).....	\$5 60
Mantel M, Style 2 (with Nickel Cup Plates, Nickel Name Plate and Nickel Top ..	6 65
Mantel M, Style 3 (with Nickel Cup Plates, Nickel Name Plate, Nickel Top Ta Top Ornament).....	7 35
Mantel M, Style 4 (all parts Nicked except Barrel)	8 75
Mantel M, Style 5 (all parts Nicked completely).....	9 80
Mantel 13-E, Style 1 (less Nickel Top Table with Cup Plates and Nickel Panel).....	7 00
Mantel 13-E, Style 2 (with Nickel Top Table and Cup Plates and Nickel Panel).....	8 05
Mantel 13-E, Style 3 (with Nickel Top Table, Cup Plates, Nickel Panel and Nickel Top Or- naments)	9 45
Mantel 13-E, Style 4 (all parts Nicked except Barrel)	10 85
Mantel 13-E, Style 5 (all parts Nicked).....	11 90

Mantel 11-E fits 7-14, 7-16, 8-16 Charm, Echo, Fairy, Star, Rose and Happy Home "A," Jasper, Emblem and Expert Ranges.

Mantel 12-E fits 7-18, 8-18 Charm, Echo, Fairy, Star, Rose and Happy Home "A," Jasper, Emblem, Expert and Aurora "A" Ranges.

Mantel 13-E fits 8-20, 9-20 Echo, Star; 17, 83, 18 and 99 New Cappello; 7-18, 8-18, 8-20, 9-20, 8-22 and 9-22 New Capello and Choice Columbian Plato, - 1 Nos. 80-20 and 90-20 Jasper, Emblem and Aurora "A."

MANTEL " R."



Four Sizes.

Sold as illustrated, or Castings, less Splash Plate Strip.

Mantel No. 6-R fits No. 7-14 Echo, No. 7-14 Star, No. 7-14 Victor. List Price, \$5.00. Add \$2.50, list, for Nickeling.

Mantel No. 7-R fits No. 7-16 Columbian Charm, Echo, Star, Daisy, Rose, Beauty, Newport and Peerless; No. 8-16 Columbian Star, Rose and Daisy. List price, \$5.00. Add for Nickeling Mantel No. 7-R, \$2.50, list.

Mantel No. 7½-R fits Nos. 7-18 Cola Expert, 8-18 Cola Expert, 7-16 Cola Peerless, 7-18 New Cappello and Columbian Choice, 8-18 New Cappello and Columbian Choice. List price, \$5.00. Add for Nickeling Mantel No. 7½-R, \$2.50, list.

Mantel No. 8-R fits Nos. 7-18 and 8-18 Columbian Charm, Echo, Star, Rose, Beauty, Newport, Peerless, Daisy and Victor; Nos. 8-20 and 9-20 New Cappello and Choice. List price, \$5.00. Add for Nickeling Mantel No. 8-R, \$2.75, list.

Mantel No. 9-R fits Nos. 8-20 and 9-20 Columbian Charm, Echo, Star and Peerless. List price, \$5.25. Add for Nickeling Mantel No. 9-R, \$3.00, list.

Mantel No. 10-R fits Nos. 8-22 and 9-22 New Cappello and Columbian Choice. List price, \$5.50. Add for Nickeling Mantel No. 10-R, \$3.00.

Mantels Nos. 6, 7 and 8-R Castings with Nickel Cup Plates less Splash Plate, \$3.25, list.

Mantels Nos. 9 and 10-R Castings with Nickel Cup Plates less Splash Plate, \$3.75, list.



Splash Plate or Fairy Mantel made in five sizes, as follows: Nos. 5, 6, 7, 8 and 9.

List Price with Cup Plates.....\$2 10

List Price for Nickeling 1 05

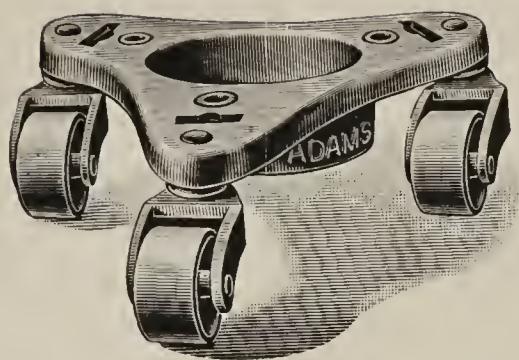


" A " TEA SHELF.

The " A " Tea Shelf is made in one size only and is adapted to any range we manufacture.

List\$1 90

List for Nickeling 1 00



The Adams Stove Caster.

The small casters being swiveled to the main casting by a pivot, they turn from one direction to another with the utmost readiness. Main casting japanned, small casters coppered.

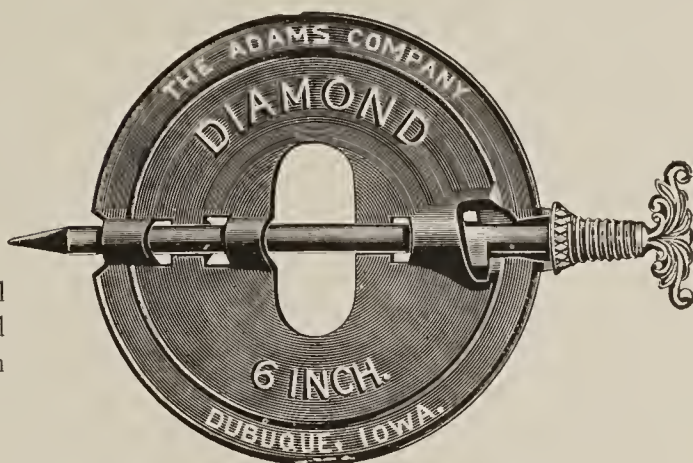
Holes are provided for screwing these casters to a box, making a handy box truck.

Weight per set 9 pounds.....\$1 00 net

Diamond Stove Pipe Dampers.

Nickel Handle.

The stem is extra long and pointed by careful grinding, and strong enough to drive through ordinary pipe.



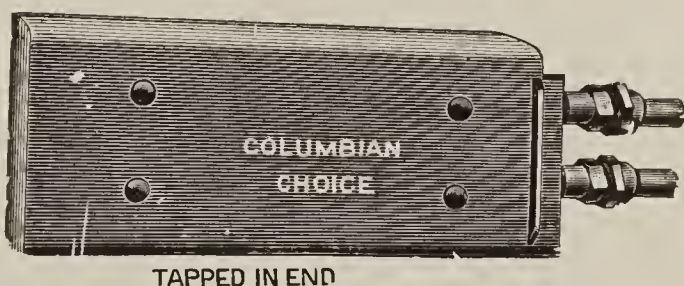
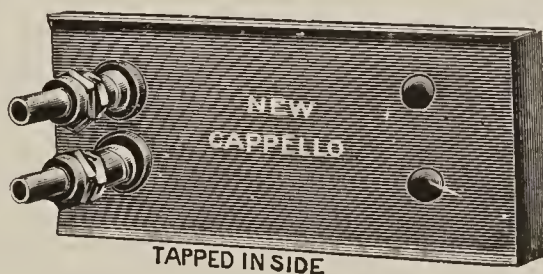
Size.....	4-inch	4½-inch	5-inch	5½-inch	6-inch
Net per dozen.....	60c	65c	70c	75c	75c

How to Order Water Backs.

In ordering Water Backs state clearly how you want the Water Back tapped, side or end. Figure 1 or Figure 2.

Figure 1 represents the Water Back tapped on the side, and in this case connections must be made through the end of the Range. This Fig. 1 is always sent when New Cappello is ordered with no other instructions.

Figure 2 represents the Water Back tapped on the end, and in connecting with the Range, connections must necessarily be made through the back of same. Our New Cappello and Columbian Platos are the only Ranges which can be connected to the boiler through the end and back of Range.



A clear order can be expressed by giving the name and number of the Range, right or left oven and Figure 1 or Figure 2, according to your needs.

Water Back Couplings, Spuds, etc., illustrated and priced on page 5. Let your order be made clear as to your wants.

Useful Articles for the Home.



Nickeled.

Plain.

	Net.
Nickeled, with Board Top	\$2 40
Nickeled, with Marble Top.....	3 75
Plain Castings, with Board Top	1 75
Plain Castings, with Marble Top	3 75

Fancy Lamp Stands, Nickel and Plain; Very Handsome Parlor Ornaments, or Appropriate Presents for Friends. Order Sample.

Foot Stools.



CASTINGS



UPHOLSTERED

	Net.
Castings	65
Castings and Board	75
Castings, Nickel	1 15
Castings, Nickeled, and Board	1 25
One Upholstered Stool	2 25

COLUMBIAN ART.

Double Heater.



Duplex Grate, Screw Damper, Revertible Flue. Made in Three Sizes.

No.			List Price	Height Less Urn	Height to Top Pipe Collar
32.	13-inch	Fire Pot.....	\$61 60	50½ inches	34 inches
52.	15-inch	Fire Pot.....	71 40	52¾ inches	35 inches
62.	16-inch	Fire Pot....	81 20	55½ inches	37 inches
Weight No.	32.....				330 pounds
Weight No.	52.....				382 pounds
Weight No.	62.....				463 pounds

COLUMBIAN JOY.



No.				List Price
A1.	12 -inch	Fire Pot	.....	\$46 90
A2.	13 1/2 -inch	Fire Pot	.....	56 00
A3.	15 -inch	Fire Pot	.....	63 00
A4.	17 -inch	Fire Pot	.....	70 00

Made with the modern application of the Duplex Grate.

A Return Flue Base Heating Stove, ornamented and trimmed with taste and beauty. Economical, Clean and Artistic. This Stove has been thoroughly tested by the maker and the result entirely satisfactory, hence the Stove is Warranted.

No.	Height to Top of Smoke Pipe Collar	Height to Top of Heat Pipe Collar	Height less Urn	Cylinder	Size of Pipe	Circum. of Pipe	Weight
A1.....	31	42 1/2	46	12	5	15 5-7	250
A2.....	31 1/2	43 3/4	47 1/2	13 1/2	5	15 5-7	280
A3.....	32 1/2	48	52	15	6	18 6-7	320
A4.....	35	57 1/2	54	17	6	18 6-7	390

BLACK DIAMOND AIR TIGHT.

Circulator and Double Heater.



Side View. Revertible Flue, Single Bottom, Self-Feeder, Duplex Grates.

Ornamentation: Handsome Urn, Nickel Swing Cover, Nickel Hot Air Collar and Cap, Nickel Screw Plate and Gravity Handle, Nickel Right and Left Front Column, Nickel Foot Rails and Nickel Feet.

The Novelty and leader of the season. The List Price Attractive.

No.					List
34.	14-inch Fire Pot.				\$44 10
36.	16-inch Fire Pot.				49 70
Cast Elbows for Nos. 34 and 36, net.					75
No.	Size of Fire Pot.	Height to Bottom of Swing Cover.	Length Front to Back of Body.	Width of Body.	Collars.
34.	14	38	24 1/4	16 1/2	6
36.	16	41	27	19	6

These measurements do not include the extensions of top or bottom.

COLUMBIAN AIR TIGHT.

Two Sizes.



No.	List, less Magazine.
123—13-inch fire pot.....	\$39 90
124—14-inch fire pot.....	43 40
Add for Magazine if desired.....	2 10

Made with and without magazines. Shipped without magazine unless otherwise ordered.

The above price list includes the following nickel adornments: Swing Cover, Name Plate, Foot Rails, Feet and Skirts, Top Band and Hot Air Cap.

The Columbian Air Tight is the latest production of this class of stoves. We feel satisfied that this Heater will meet with very favorable notice from those who require a first-class article. It is complete in all respects, and possesses a number of modern and valuable features not in any other Heater of its class. It is ornamental, symmetrical in appearance and nicely finished with nickel trimmings. We make it of the very best material. The purchaser needs not question its durability. This stove is arranged so that the Hot Air Heater Pipe can be put on without disturbing the Swing Cover, leaving the Stove in its full ornamental appearance.

No.	Height to Swing Cover.	Diameter of Cylinder.	Weight.	Pipe Collar.	Circum.
123	41¼	13	300	6	18⅝
124	44	14	319	6	18⅝

COLUMBIAN MAGIC.

Direct Draft.



The Nickel Top Cover and Urn are securely fastened to the Cast Swing Cover. The Nickel Plate Dome may be removed at pleasure. Sheet Steel Body inside to prevent coloring. Nickel Name Plate, Foot Rails, Feet and Skirting. Bold and impressive figured Illumination Doors. Large Ash Pan, Centre Draw and Shaking Grate. Feeder removed without removal of a single bolt. Remove the front tie bar underneath the upper front door and you open the front for the removal of the Fire Pot.

No.	
9.	9 -inch Fire Pot, list price.....\$23 80
11.	10½-inch Fire Pot, list price..... 28 00
Less Cast Elbow. Cast Elbow, 50c. net. Rule—Shipped Less Elbow.	

No.	Height to Top of Pipe Collar.	Height Less Urn.	Cylinder.	Size of Pipe.	Circum. of Pipe.	Weight.
9.....	29	36½	9	5	15 5-7	126
11.....	30½	38½	10½	5	15 5-7	147

COLUMBIAN SUN SURFACE BURNER.

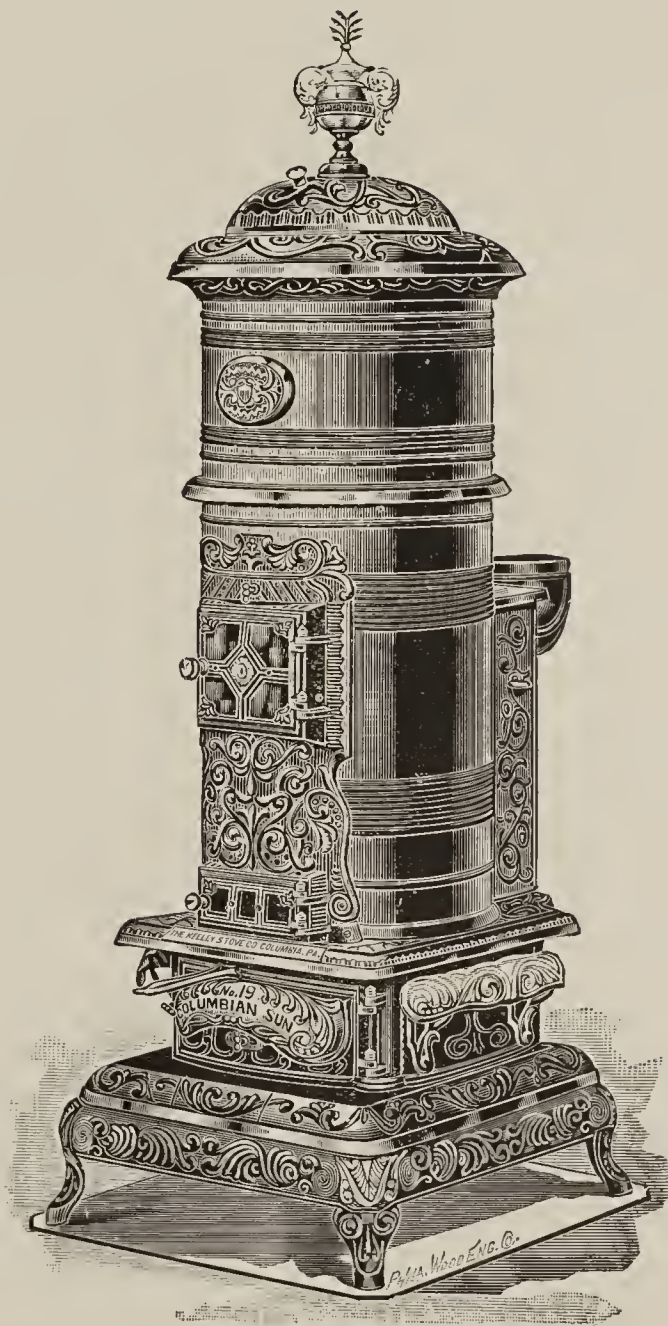


Made in Four Sizes, with Centre-Draw Grate.

No.		Castings.	Finished.
13.	11-inch Fire Pot, 6-inch Pipe.....	\$32 55	\$42 00
15.	13-inch Fire Pot, 6-inch Pipe.....	40 95	50 10
17.	15-inch Fire Pot, 6-inch Pipe.....	48 65	58 80
19.	17-inch Fire Pot, 6-inch Pipe.....	58 80	69 30

Castings include Ash Pan, Nickel Foot Rails, Name Plate and Spun Urn.

COLUMBIAN SUN, HIGH TOP.



Two Sizes.

No.		Castings.	Finished.
17.	17-inch Body, 15-inch Fire Pot, 6-inch Pipe.....	\$50 75	\$63 00
19.	19-inch Body, 17-inch Fire Pot, 6-inch Pipe.....	61 25	74 55

Castings include Ash Pan, Nickel Foot Rails, Name Plate and Spun Urn. Not made with Oven.

Unless your order clearly states that you want the High-Top Columbian Sun, the low stove will be sent.

HOT BLAST OAK.

Single Heater.



No.		
16.	Less Magazine	\$43 40
18.	Less Magazine	48 65
Add	for Magazine.....	2 10
New. Novel. Economical.		
Hot Blast Ring encircling the Stove, insuring perfect Combustion. Will burn all kinds of fuel.		
Our Hot Blast Ring Saves Fuel.		
Order should read with or without Magazine.		

HOT BLAST OAK.

Double Heater.



No.		
116.	Less Magazine	\$48 65
118.	Less Magazine	53 90
Add	for Magazine.....	2 10
This double heater can be used for double heating purposes and is especially adapted for the use of Bituminous Coal.		
Having a perfect Hot Blast Ring it insures a perfect and strong combustion and an economical use of Fuel.		
This heater will supply the needs and demands of the trade for an article of this kind.		
Shipped with or without Magazine as desired. Let your order be clear on this point.		

COLUMBIAN OAK. Double Heater.



Made with Duplex Grate.

No.	Height from Floor to Smoke Collar.	Height from Floor to Heat Collar.
23	34 inches.	45 inches.
25	36½ inches.	47 inches.
27	38½ inches.	50 inches.

Duplex Grate Series—Three Sizes.

No.		Double Heater List Price, Less Magazine.
23.	13-inch Fire Pot.....	\$41 30
25.	15-inch Fire Pot.....	45 50
27.	17-inch Fire Pot.....	50 05

Add \$2.10 List, Each Size, for Magazine.

FOREST OAK SINGLE HEATER.



Made in Four Sizes. Price List as Shown Above.

No.		Size of Pipe Collar.		List.
		Anthracite.	Bituminous.	
110.	10-inch Fire Pot.....	5-inch	5-inch	\$14 00
112.	12-inch Fire Pot.....	5-inch	5-inch	16 80
114.	14-inch Fire Pot.....	5-inch	6-inch	19 60
116.	16-inch Fire Pot.....	5-inch	6-inch	22 40

Add for Magazine—No. 110, \$1.05; No. 112, \$1.40; No. 114, \$1.75; No. 116, \$1.75.

Shipped less Magazine, unless ordered "with Magazine."

List price includes Nickel Spun Urn, Nickel Crown Top Ring, Nickel Name Plate, Nickel

Foot Rails and Screw Dampers.

All sizes made with Collar Back only.

Nickel Middle Ring, if desired, at an extra charge.

OAKDALE SINGLE HEATER.



Pipe Collar Off Top.		Pipe Collar.
No.		6 inches.
14	.....	6 inches.
16	.....	\$26 60
14.	List price, with Magazine.....	30 80
16.	List price, with Magazine.....	
If Magazine is not desired deduct \$2.10 from list.		
Handsomely Trimmed with Nickel Adornments. Duplex Grate, with Ring Encircling.		

OAKDALE.



A Double Heater with Magazine. Made in Two Sizes.

No.		
14.	14-inch Fire Pot, list price.....	\$32 20
16.	16-inch Fire Pot, list price.....	36 40

If Magazine is not desired, deduct \$2.10 from list price.

Grate—Duplex with Ring.

Nickel Adornments—Spun Urn and Swing Cover, Crown Top Ring, Name Plate, Columns, Handles, Screw Drafts, Fender Ring Curtains.

No better piece of parlor furniture made or offered for sale.

This Heater is WARRANTED and will make and hold a very large share of public patronage.

No.	Height to Swing Cover.	Height to Pipe Collar.	Size of Smoke Pipe.	Circum. of Heater Pipe.
14	41 1/2	37	5	24 7/8
16	44 1/2	39	6	24 7/8

COLUMBIAN OAK.

Single Heater.



No.	Diam. Fire Pot at Top, Inside.	Fire Pot at Bottom, Inside.	Diameter Fire Pot at Bottom, Inside.	Fire Pot Depth, Inside.
10.	10 inches.	7 1/2 inches.	7 1/2 inches.	7 inches.
12.	12 inches.	9 1/2 inches.	9 1/2 inches.	7 1/4 inches.
14.	14 inches.	10 3/4 inches.	10 3/4 inches.	7 3/4 inches.
16.	16 inches.	12 inches.	12 inches.	8 inches.
No.	List, Less Magazine. Add for Magazine if Desired.			
10.	10-inch Fire Pot.	\$21 00		\$1 05
12.	12-inch Fire Pot.	24 15		1 40
14.	14-inch Fire Pot.	27 30		1 75
16.	16-inch Fire Pot.	30 45		1 75
Elbows for Collar Back Stoves, net, 50c.				

Made both Collar Top and Collar Back. Made Self-Feeder, with Magazine, if Desired.

Nickel Adornments—Nickel Feet and Skirting, Nickel Screw Draft Plates and Gravity Handles, Foot Rails, Name Plate, Large Nickel Body and Top Ring, Handsome Urn.

Substantial—Fire Brick Guards Around Steel Body, Heavy Fire Pot. All Fire Points Strong, Heavy and Durable. Grate—Centre Draw.

Fuel—Wood, Coal, Coke.

COLUMBIAN OAK.

Double Heater.



Not a Self-Feeder. No Magazine. An operator with any kind of fuel—Wood, Coal (Anthracite or Bituminous), Coke. Ready for anything.

No.	List as Illustrated Above.
24. 14-inch Fire Pot.....	\$33 25
26. 16-inch Fire Pot.....	36 05

COLUMBIAN ORB.



Made with Centre Draw Grate.

The Columbian Orb is the very latest and most complete Cylinder Stove made. The inside of the feed door is protected by a large smoke plate. The nickel trimmings are complete and very elaborate, consisting of Urn, Top Ring, Name Plate, Foot Rail, Feet and Skirting. The gravity nickel handles and screw draft plates in feed and ash doors give this stove a very distinctive selling quality, as well as being effective in making base air tight.

No.	Castings Mounted with Urn Mica and Top Band.	Diam. Collar for Anthracite Coal.	Diam. Collar for Bituminous Coal.	Finished in Russia Iron with Clinker Door.
30.....	\$14 00	5-inch	6-inch	\$19 60
32.....	17 50	5-inch	6-inch	23 80
34.....	21 35	5-inch	6-inch	28 00
36.....	24 85	5-inch	6-inch	32 90

Castings do not include Brick.
Made with collar back.

COLUMBIAN ORB.

Double Heater.



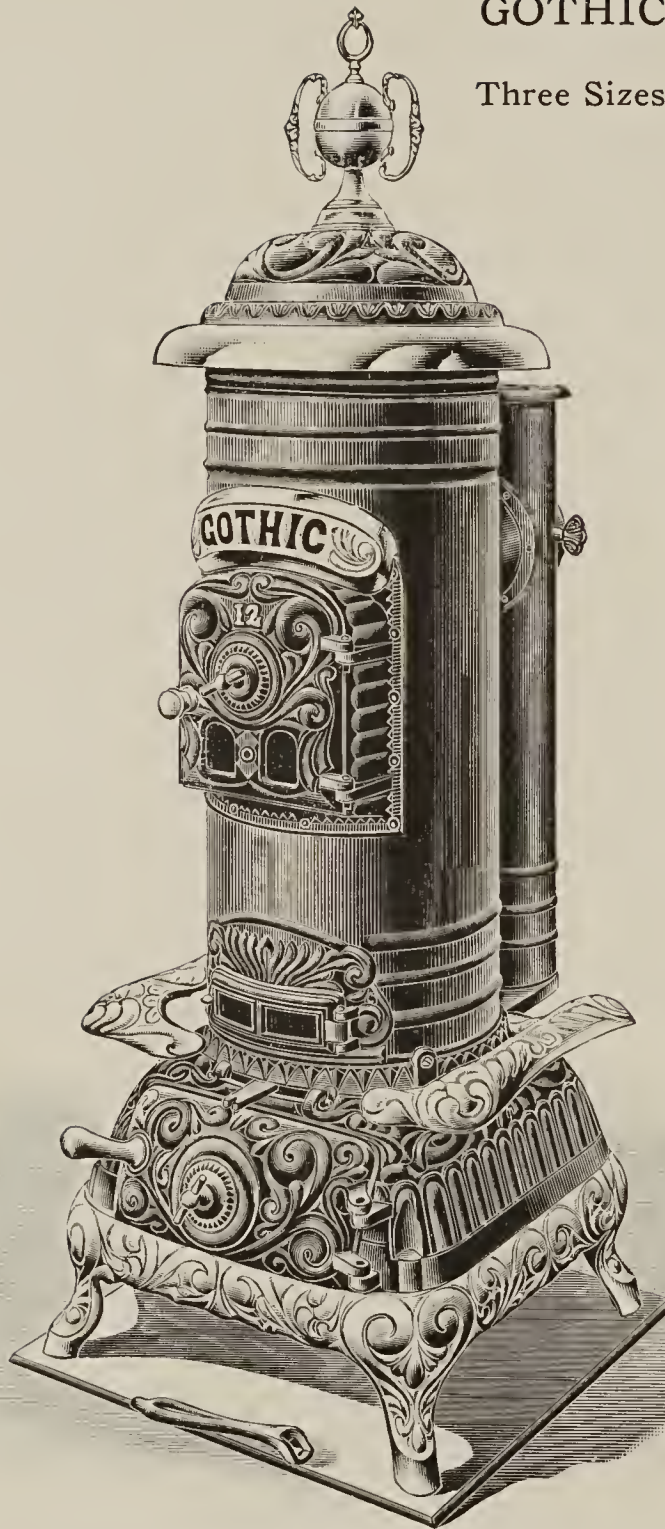
Made with Draw Centre Grate.

A very cheap and desirable Double Heater, trimmed and described as under Single Heater, except no Nickel Rings on Crown Top.

No.	Price List. Castings.	Finished in Russia Iron.
44.....	\$24 50	\$33 60
46.....	28 00	38 50

GOTHIC.

Three Sizes.



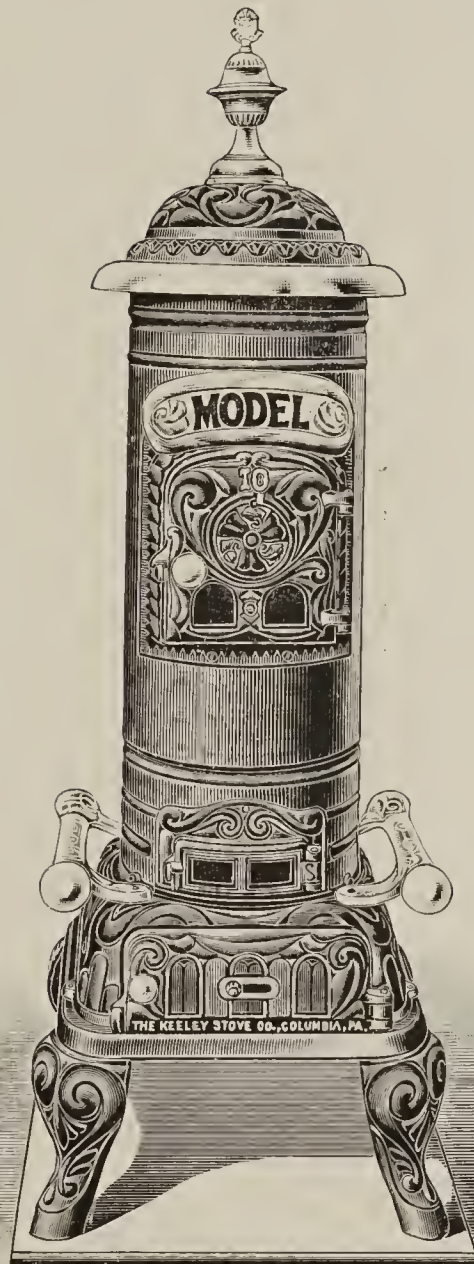
A Very Handsome Semi-Revertible Flue Brick Cylinder Stove. Bodies made from the very best Russia Iron.

Adornments—Spun Urn, Crown Top Ring, Name Plate, Foot Rails, Feet and Skirting, Screw Drafts and Handles—all nickeled. Made with Centre Draw Grate.

No.	Castings.	Finished in Russia Iron.
10.....	\$15 40	\$21 00
12.....	19 25	26 60
14.....	22 75	30 10

Brick to go with Castings cost, No. 10, 75c.; No. 12, 85c.; No. 14, \$1.00

MODEL.



This is an Up-to-Date, Medium Priced Sheet Iron Body Heating Stove.

Made in four sizes. Nos. 10, 11, 12, 14.

No.	Body.	Castings. List Price.	Finished. List Price.
10.....	10-inch.	\$8 40	\$14 70
11.....	11-inch	9 80	16 10
12.....	12-inch	11 20	17 64
14.....	14-inch	14 00	20 79

The No. 14 is made into a Double Heater, as follows:

No. 24. 14-inch Body, Castings, List Price, \$19.60; Finished, List Price, \$26.39.

All Sheet Iron Base Stoves made by us are finished in Genuine Russia Iron Bodies.

NOBBY.



With Anti-Clinker Door. Made in Six Sizes.

Mounted with Russia Iron, Swing Hearth Door, Swing Cover and Nickel Spun Urn. In ordering, please mention if Foot Rail is desired.

No.	Castings. Less Rail.	Castings. With Rail.	Finished in Russia Iron, Less Rail.	Finished in Russia Iron, With Rail.
8.....	\$5 60	\$6 30	\$9 10	\$9 80
9.....	7 00	7 70	10 50	11 20
10.....	8 40	9 10	11 90	12 60
11.....	9 80	10 50	13 30	14 00
12.....	11 20	11 90	15 40	16 10
14.....	14 70	15 40	19 60	20 30

NOBBY.

Six Sizes.



Mounted with Russia Iron, Swing Hearth Door, Swing Cover and Nickel Spun Urn. In ordering, please mention if Foot Rail is desired.

No.	Castings, Less Foot Rail.	Castings With Rail.	Finished in Russia Iron, Less Rail.	Finished in Russia Iron, With Rail.
8.....	\$4 90	\$5 60	\$8 40	\$9 10
9.....	6 30	7 00	9 80	10 50
10.....	7 70	8 40	11 20	11 90
11.....	9 10	9 80	12 60	13 30
12.....	10 50	11 20	14 70	15 40
14.....	14 00	14 70	18 90	19 60

Ash Pans for all sizes, 10 cents, net, apiece.

ACTIVE.

Three Sizes. For Coal.

A cheap base, having Spun-Urn Ornaments, Sliding Door and our Improved Grate.

No.	Castings, Less Brick.	Finished in Common Iron.	Finished in Russia Iron.
8.....	\$4 90	\$7 42	\$8 33
9.....	6 16	8 96	10 36
10.....	7 35	11 13	12 74

Rails, \$1.05, list, additional.



For Wood. Seven Sizes.

For Wood.

Seven Sizes.



No.

16.	Takes	5-inch	Pipe	on	Collar.....		\$5 60
18.	Takes	5-inch	Pipe	on	Collar.....		7 00
20.	Takes	6-inch	Pipe	on	Collar, with Swing Top		7 70
22.	Takes	6-inch	Pipe	on	Collar, with Swing Top		8 75
25.	Takes	6-inch	Pipe	on	Collar, with Swing Top		11 20
31.	Takes	6-inch	Pipe	on	Collar, with Swing Top		14 70
38.	Takes	7-inch	Pipe	on	Collar, with Swing Top		20 30

A Cheap, Convenient Two-Hole Furnace.

A Cheap, Convenient Two-Hole Furnace.	
No. 7.....	\$6 30
No. 8.....	\$7 35

COLUMBIAN PILOT FURNACE.



A cheap heating furnace. A double heater for small store rooms and offices where you desire to heat an upper room.

No.	List Price.
24. Castings and Radiator, Mounted.....	\$19 60
24. Finished in Galvanized Iron.....	29 40

COLUMBIAN CROWN HEATER.

The Columbian Crown Heater represents an entirely new departure in stove construction, and enables the dealer to supply a strong, powerful and economical heater for hotel offices, small churches, school houses and station rooms. This heater is made to operate upon the ventiduct system, and hence heats by circulation and radiation.

The cut illustrates it as a double heater operating upon the circulation system, doing double work.

We indicate by this illustration that the Columbian Crown Heater is of sufficient power to permit opening the register and hot-air damper in the crown top at one and the same time. The arrows shown in the cut indicate the course of the rapidly-moving currents of cold and warm air under the draft of this heater.

By this process the room in which the heater operates is rapidly and quickly emptied of cold air and supplied with warm air. The forces of attraction and radiation are in operation as long as the heater is fired.

We call the dealers' and consumers' special attention to this important feature and construction of all our leading double heating stoves. The swing cover can be removed or set aside for the purpose of using a boiler or kettle for hot water. The heater can be recommended and will sell at sight because of its superiority and simplicity.

Crown and School House Heater Measurements.

No.	Height to Bottom of Swing Cover.	Diameter of Cylinder.	Weight.
36.....	55	15½	360
40.....	60	18½	427
44.....	64	29½	564

COLUMBIAN CROWN HEATER.



No.	List Price. Castings and Drums.	List Price, Finished in Russia Iron.
36. 16-inch Fire Pot, 55 inches high, 26 inches diameter.....	\$50 40	\$69 30
40. 19-inch Fire Pot, 60 inches high, 30 inches diameter.....	65 10	84 00
44. 21-inch Fire Pot, 64 inches high, 34 inches diameter.....	84 00	105 00

The above price list does not include Bar Room Pan.

Read description of this Heater on page 92.

Bar Room Pan sells at 5 cents a pound, net. Weight, 70 pounds.

THE COLUMBIAN SCHOOL HEATER.

Is Made to Supply a Long Felt Want for School House Heating.

The ordinary heater does not prove effective because the system of radiation alone requires the full pressure of the draft from the early morning hour until the school is called; and the pupils who sit near the stove suffer from too high a degree of heat, while those more remote are as uncomfortable in the opposite direction.

Our Columbian School Heater with its system of circulation will operate as we direct; create an even temperature in all parts of the room, and hence supply comfort to all. The operation is simple and is easily understood. Figure 3, page 96, represents the School Heater in operation. The cold air channel under the floor, running from the north to the heater, is to supply the room with fresh, pure air by passing it through the hot-air chamber of the heater into the school room. The cast iron base in which the heater sets is supplied with a register to regulate the supply of cold air, so that driving winds cannot lower the temperature of the room below the desired degree. The cold air should be freely admitted through the cold-air channel (during the hours school is closed), say from early morning until school is called, and during recess and noon, with a very limited supply during the night.

When the school is in session, close the damper in the base pan and open the registers on both sides of the heater, and the colder currents of air lying in the school room will be rapidly drawn from the floor throughout the entire room and changed in temperature by a rapid circulation through the hot-air chamber of the heater.

The school room should be ventilated as shown in Figure 3. By building the chimney in two departments; the chimney proper should be a cast pipe not less than six inches in diameter (the larger the better), located in the centre of the ventilating chimney, which should be not less than 10×15 between walls. The ventilating flue should be opened to admit the air from the school room, by use of a register 9×12 located close to the ceiling and one of the same size near the floor. The one near the ceiling should be operated by cord attachments within reach of the teacher, to relieve the room when the temperature is too high. The one at the bottom should be kept open all the while for the exit of cold and vitiated air.

School House Heater Directions.



Figure 1.

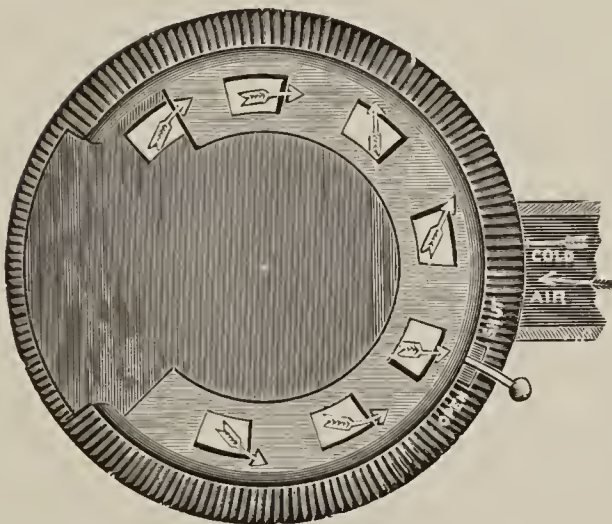


Figure 2.

First—Use good, hard-burning chestnut coal.

Second—Start the fire by closing the check damper in the pipe, closing the register wheel in the feed door and opening the register damper in the ash-pit door.

Third—To check the fire, close the ash-pit door and the ash-pit door slide; keep the clinker door closed at all times, except when you wish to remove clinkers from the fire by means of the poker.

To Further Check the Fire.

Open the check damper in the pipe the required distance.

To Carry the Fire Over Night.

First free the fire from all dead matter and put in a good charge of fresh coal. Should the chimney draft be very strong, open the check draft full; and if that carries the fire through the night too high—that is, burns out too closely—then open the register wheel in the feed door. This setting, with a clean fire, should carry the fire for forty-eight hours. The cold air is closed off in the base pan when the word “Shut” is covered with the damper handle. When this is closed, or partly closed or regulated, be very careful to have the registers in the sides of the heater opened. The side registers of the heater should be operated according to the suggestions given in the description of the heater.

The registers placed in the sides of the heater draw the cold air off, as indicated by the arrows in the cut. These are the registers referred to immediately above.

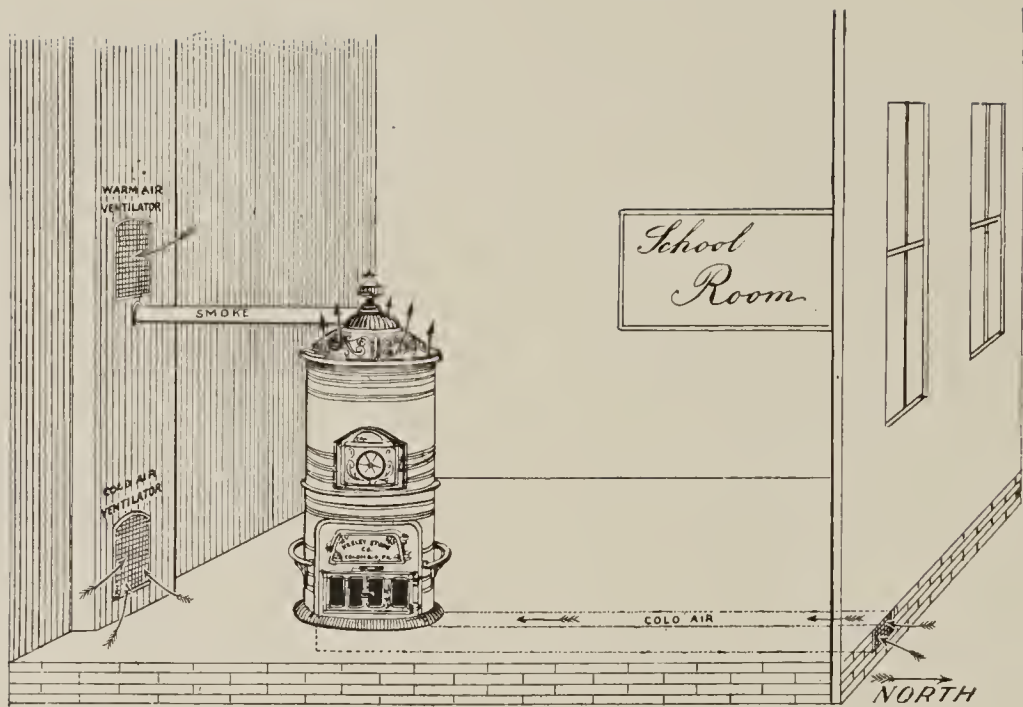


Figure 3.

Price List of School House Heater.

No.		
36.	Including Base Pan and Damper.....	\$84 00
40.	Including Base Pan and Damper.....	100 80
44.	Including Base Pan and Damper.....	126 00



Figure 4.

The above cut represents our Columbian Banner Furnace Check Dampers, suitable for six, seven and eight-inch pipe, and should be used on our School Heater. Hot-air Furnaces should be checked without passing the cold air through the radiating drums. Our Furnace Check Damper applied to the pipe checks the furnace without suddenly cooling the drums. This damper, which is supplied with a ratchet stop for the admission of cold air, serves to check the fire, holding it in a very low state of combustion, thus reducing the consumption of coal to a minimum. These Dampers can be used on stoves of any kind having pipe the size of the Dampers, viz: six, seven or eight-inch pipe.

No.		
6.....	net,	\$0 20
7 and 8.....	net,	25

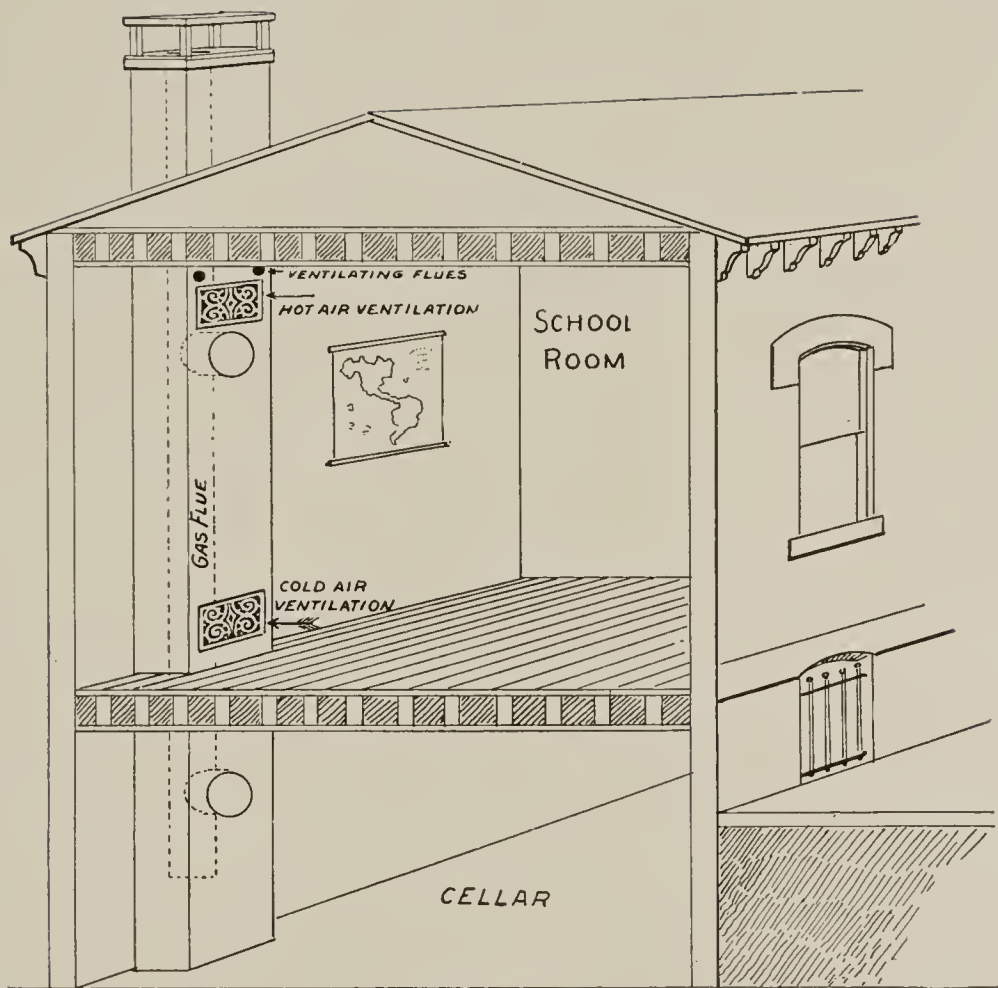


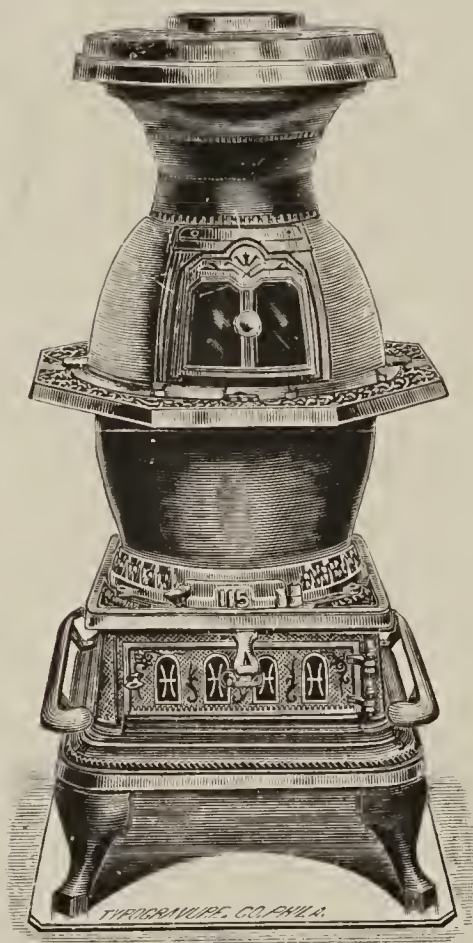
Figure 5.

Figure 5 is an additional illustration of the interior of the school room or building. The purpose of this figure is to assist the school committee or builders to a clearer understanding of our system, with the end in view that they can construct their chimney so that the Heater and Ventilator can be supplied without any change in the interior of the building. The ventilating flue is supposed to be part of the building and should be built between walls 12×20 inches. The gas flue indicated by the dotted lines represents a cast or wrought pipe not less than seven inches clear in diameter. This gas flue runs up and through the centre of the ventilating flue space 12×20 inches. To this gas flue the Heater and Ventilator is attached, as shown in Figure 3, page 96. The register ventilators are located in the walls of the ventilating flue, as illustrated in Figure 5, and open the way for cold, hot and vitiated air into the ventilating flue.

To thoroughly understand this the purchaser should read pages 94, 95, 96 of this catalogue.

In ordering the Heater and Ventilator state whether you want it for anthracite or bituminous coal.

COLUMBIAN ULSTER.



Four Sizes.

This Stove has gone through a series of changes, so be sure to get correct name and number in ordering stoves or repairs for same.

We have improved our already popular Ulster Stove, of which thousands have been sold, by enlarging lower cylinder and adding the Draw-Centre Grate, and can warrant it to give satisfaction for any kind of fuel. We have added plain Foot Rails without any extra charge.

No.	List.	Pipe.
113.....	\$16 80	6 inches
115.....	21 00	6 inches
117.....	26 25	7 inches
120.....	35 70	7 inches

COLUMBIAN ULSTER.



Four Sizes. With Collar Back and Draw Centre Grate Only.

No.	
113	\$17 85
115	22 05
117	27 30
120	36 75

In ordering say "Columbian Ulster with Collar Back," or we may send you a different stove.

We furnish Hot Water Coils for this Stove, as well as for our line of Furnaces. Estimates and prices on the same will be cheerfully given upon application.

No.	Height.	Diameter of Cylinder.	Weight.	Pipe.
113	40	13	134	5½ inches
115	43	15	160	5½ inches
117	46¼	17	222	6 inches
120	51	20	290	6 inches

COLUMBIAN ULSTER.



Made in Three Sizes, Fitted with Cast Water Cylinder for Heating Water.

No.	Plain.	Double Heater Finished in Galvanized Iron.	Double Heater Finished in Russia Iron.
115.....	\$29 40	\$45 15	\$51 45
117.....	35 00	52 15	59 50
120.....	45 50	63 35	67 20

A very excellent and efficient Stove for attaching Circulating Boilers, Radiators and Pipes for Heating Rooms, Incubators, Hot Houses, &c.

COLUMBIAN ULSTER PORTABLE HEATER.



ACETMA STOVE CO., INC.
& E. Cor. 2nd & Arch Sts.
PHILA., PA.

Suitable for Hotel Offices, Bar Rooms and Restaurants.

No.	Castings.	Galvanized Iron.	Russia Iron.
115.....	\$30 45	\$37 80	\$44 10
117.....	36 40	44 45	51 80
120.....	44 10	54 60	59 85

No.	Height of Stove.	Diameter of Cylinder.	Weight.	Height from Bottom to Collar.
115.....	56¼	15	205	44¾
117.....	58	17	270	48½
120.....	64	20	343	53

COLUMBIAN SUNLIGHT.

Fire Place Double Heater.



Made in one size, with Plain Black Japanned Front, Nickel Swing Cover Top, Nickel Name Plates and Nickel Foot Rail.

List Price\$39 20
Add for Nickel Outer and Inner Circle Fronts..... 5 60

MEASUREMENTS.

	Height.	Width	Depth.	Circum. of Pipe.
Circular Front.....	33¾	32¾	..	12½
Dimensions of Opening.....	32	28½	12	..

PRIZE. COLUMBIAN

Three Sizes, with Nickel Feet and Skirt, Nickel Name Plate, Swing Cover, Urn, Foot Rail and Two Tile.

A Franklin Stove, made with Round Fire Pot, suitable for natural gas, hard or soft coal. For coal a round fire pot is used; for natural gas brick lining.

No.

11. 11-inch Fire Pot...\$29 40

13. 13-inch Fire Pot... 32 55

15. 15-inch Fire Pot... 35 70

We supply Nickel Side Panels for front, if desired, at list price, \$2.45.

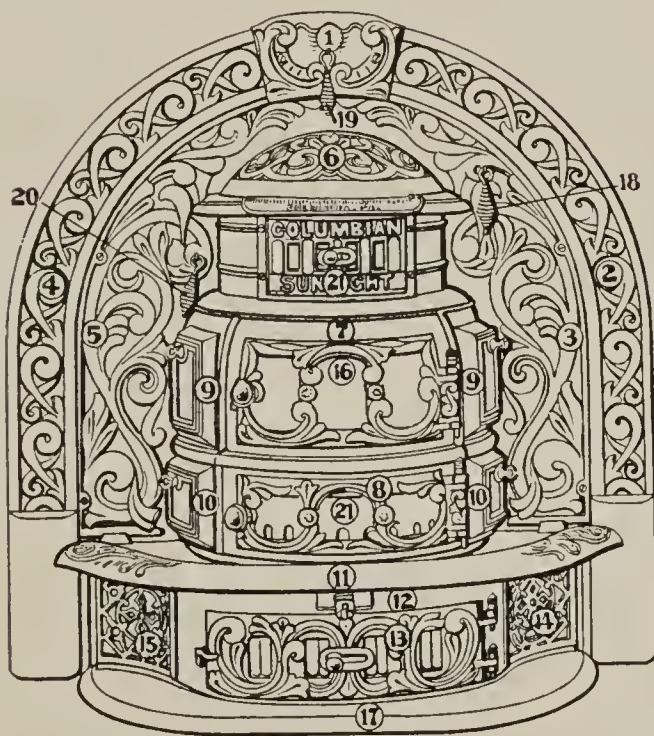
Nickel Rails supplied to ends and front of bottom at 60 cents, net.



COLUMBIAN SUNLIGHT.

No.

1. Top Centre Ornament.
2. Right Side Outer Circle.
3. Right Side Inner Circle.
4. Left Side Outer Circle.
5. Left Side Inner Circle.
6. Nickel Swing Cover.
7. Upper Front Mica Door.
8. Lower Front Mica Door.
9. Upper Side Doors.
10. Lower Side Doors.
11. Foot Rails.
12. Base Front.
13. Ash Door and Slide.
14. Lower R. Side Base Screen.
15. Lower L. Side Base Screen.
16. Magazine.
17. Bottom.
18. R. Hand Pipe Damper.
19. Top Hot-Air Damper and Handle.
20. Left Direct Draft Damper.
21. Stove Name Plate and Slide.



KEELEY'S "OAKWOOD" AIR-TIGHT STOVE.



Made in Four Sizes Only—Nos. 1, 2, 3, 4.

No.	Finish.	List.	Pipe Collar.
1.	Refined Iron	\$8 40	5-inch
2.	Refined Iron	9 80	5-inch
3.	Refined Iron	11 55	5-inch
4.	Refined Iron	13 30	5-inch

Add to above List Prices for Plain Foot Rails, 56c.

Add to above List Prices for Nickel Foot Rails, \$1.12.

No.	Height with Feet.	Height less Feet.	Length.	Width.
1.....	22 inches	15½ inches	18 inches	14 inches
2.....	24½ inches	17½ inches	20 inches	15½ inches
3.....	27 inches	20½ inches	22 inches	16 inches
4.....	31 inches	24½ inches	25 inches	17½ inches

Always state kind of Finish wanted and if with or without Foot Rails and if Plain or Nickeled.

With Plain Cast Top and Bottom, Reversible Pipe Collar, Cast Swing Cover with Loose Lid for Kettle, Handsome Nickel Spring Draft, Cast Inside Flue, Double Sheet Steel Lined full Height of Body.

Packed with Lifter as shown less Foot Rails, and so shipped unless otherwise ordered.

COTTONWOOD AIR TIGHT.

Double Lined. Single and Double Heaters. Wood Burner Only.



Made in Four Sizes.

Double Heater No. 52 is same size as Single Heater No. 25.

Feet and Skirting Nickeled, Foot Rails Nickeled, Hearth Plate Nickeled, Name Plate Nickeled, Screw Draft Plate Nickeled, Gravity Handle Nickeled, Urn Nickeled.

No.	List Price.	No.	List Price.
18. Refined Iron.....	\$17 15	18. Russia Iron.....	\$19 25
20. Refined Iron.....	19 25	20. Russia Iron.....	21 70
22. Refined Iron.....	21 00	22. Russia Iron....	23 80
25. Refined Iron.....	25 55	25. Russia Iron.....	28 70
52. Refined Iron (Double Htr.)	27 65	52. Russia Iron (Double Htr.)	30 80

REDWOOD.

Wood Burning Heating Stove.



Made in Four Sizes Only—Nos. 18, 20, 22, 25.

With Cast Top and Bottom, Reversible Pipe Collar, Sheet Steel Lined Full Height of Body; Cast Swing Cover with Large Lid under it. Cast Front Door Frame, full Height of Stove; Large Door with Gravity Handle and Screw Plate Draft for Air Flue.

No.	Finish.	List.	Pipe Collar.
18.	Refined Iron.....	\$10 15.....	5-inch
20.	Refined Iron.....	12 60.....	5-inch
22.	Refined Iron.....	14 70.....	5-inch
25.	Refined Iron.....	17 50.....	6-inch

Above Prices include Plain Foot Rails. Add to above List Price for Nickel Foot Rails, 56

cents.

No.	Height with Feet.	Height less Feet.	Length.	Width.
18.....	22½ inches	15½ inches	18 inches	14 inches
20.....	24½ inches	17½ inches	20 inches	15 inches
22.....	27½ inches	20½ inches	22 inches	16 inches
25.....	31½ inches	24½ inches	25 inches	17½ inches

Always state kind of Finish wanted and if with or without Plain or Nickel Foot Rails. Shipped as priced, with Plain Foot Rails, unless otherwise ordered.

REDWOOD DOUBLE HEATER.



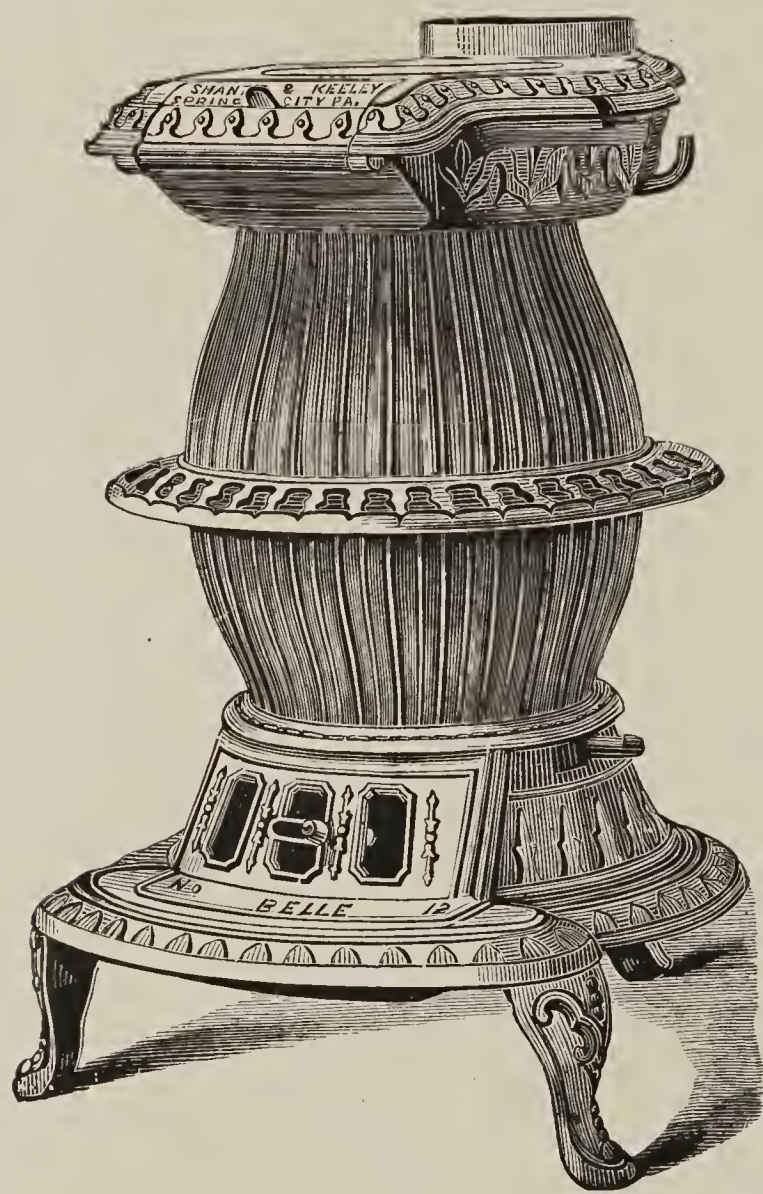
Made in One Size Only, No. 52. With Nickel Foot Rails and Hearth.

Made with Cast Top and Bottom, Nickel Foot Rails, Hot Air Collar and Cap and Hearth, Full Cast Front with Door, Hot Air Collar, 7 inches.

It draws the cold air off the floor, and passing it through the hot air flue, keeps a perfect circulation in the room below, while it warms the room above. When you desire to shut off the heat from the upper room, close the damper in the collar on the top of the Heater. This keeps the heat from entering the room above, while the circulation continues.

No.	Finish.	List.	Smoke Pipe Collar.	List.	Finish.	List.
52.	Refined Iron	\$20 30	6-inch	52.	Planished Iron	\$23 10
No.	Height, with Feet.		Height, less feet.		Length.	Width.
52	31½ inches		24½ inches		25 inches	17½ inches

BELLE.



No.	List Price.	Height.	Diameter of Cylinder.	Pipe.	Weight.
10.....	\$7 70	24 $\frac{1}{4}$	10	4 $\frac{1}{2}$	57
11.....	8 75	25	11	4 $\frac{1}{2}$	66
12.....	10 85	26 $\frac{1}{2}$	12	5	79
13.....	13 65	27 $\frac{3}{4}$	13	5	88

THE TIGER.



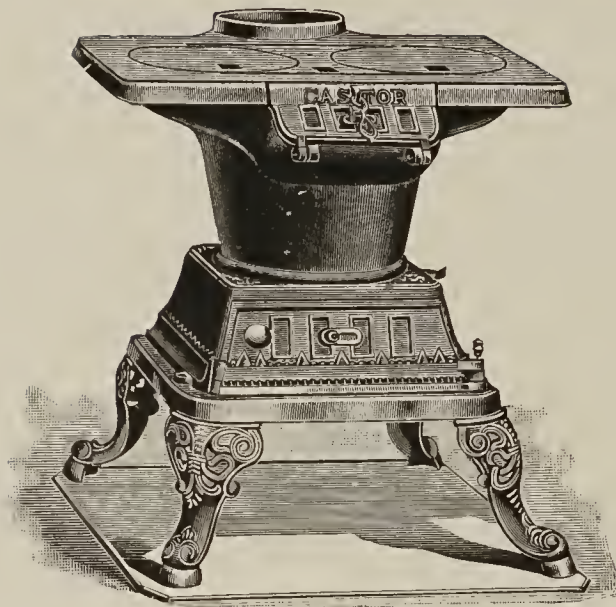
No.	Height.	Diameter of Cylinder.	Pipe Collar.	Weight.	List Price.
3.....	23	8¼	4½-inch	33½	\$5 60
4.....	24½	9¼	4½-inch	45	6 65
5.....	26½	10¼	5 -inch	50	8 05
6.....	28½	11½	5 -inch	65	9 45

SAM.



No. 8.	List.....	\$4 20	No. 9.	List.....	\$4 90
No.	Height.		Diameter of	Circum. of	Weight.
8.....	22½ inches		8 inches	13½ inches	38 pounds
9.....	24½ inches		8½ inches	13¾ inches	44 pounds

CASTOR.



No.	List Price.	Height.	Circum. Collar.	Weight.
8. Two 8-inch Holes..... Size of Top, $14\frac{1}{2} \times 22$ inches.	\$9 30	..	$18\frac{1}{2}$	98

LAUNDRY.

Two Sizes.

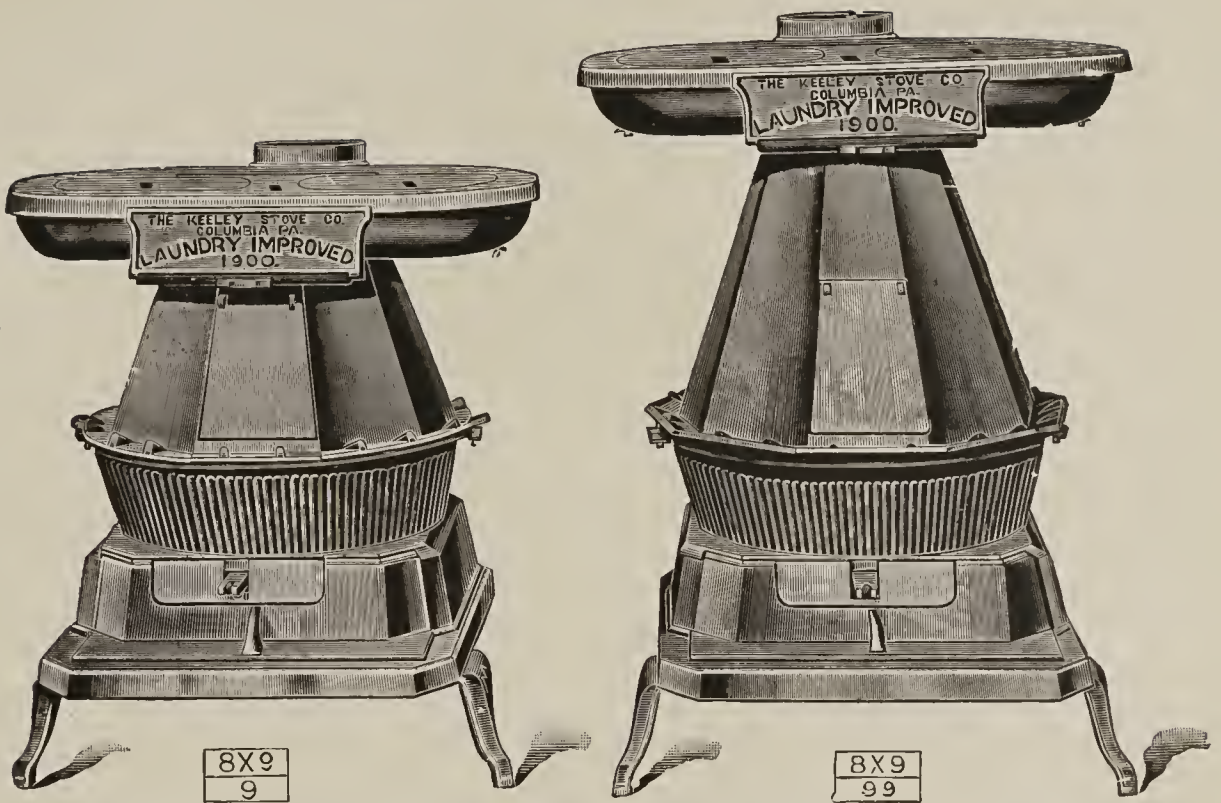
No. 19—Five Irons, $6\frac{1}{2}$ inches long.

No. 20—Six Irons, 7 inches long.



No.	List Price.	Height.	Diameter of Cylinder.	Weight.
19.....	\$9 00	$29\frac{1}{2}$	10	73
20.....	10 20	$30\frac{1}{2}$	11	84

LAUNDRY STOVES.

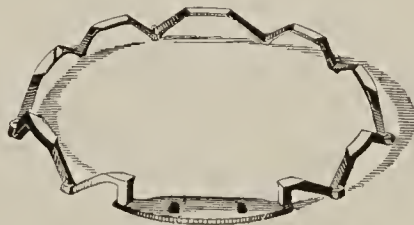


No.	Top.	Height of Cone.	Circum. of Pipe Collar.	No. of Irons.	Height.	Weight.
8 x 9	22 x 13½	7½	14	9	23¾	104
9						
8 x 9	22 x 13½	12½	14	9	28¾	112
99						

The above cuts represents our Laundry Stoves in new dress and under revised numbers.

No.	List Price.
8 x 9	
9	\$13 65

No.	List Price.
8 x 9	
99	\$15 75



“Ring.”

For Philadelphia Laundry Stove to hold Mrs. Potts' Patent Sad Irons.

Extra	List. \$2 10
-------	-----------------

Above Laundry Stove is the most improved of its class on the market. Has a Shaking Draw-Centre Grate and other modern improvements.



COLUMBIAN PILOT.

Four Sizes—
Nos. 10, 12, 14 and 16.

The numbers indicate the diameter of the top of lower cylinder.

No.		List Price.	Height.	Diameter of Cylinder.	Pipe.	Weight.
10.	10-inch.....	\$9 80	30 ¹ / ₄	9 ¹ / ₂	4 ¹ / ₂ inches	75
12.	12-inch.....	11 20	32	11 ³ / ₄	5 inches	100
14.	14-inch.....	14 00	33 ¹ / ₂	13 ¹ / ₂	6 inches	120
16.	16-inch.....	16 80	34 ³ / ₄	15 ¹ / ₂	6 inches	145

These stoves are supplied with Ash Pan and Centre Draw Grates.



8 x 9	List.
.....	\$14 75
9	
8 x 9	
.....	16 25
99	

“ REFRIGERATOR CONSTRUCTION.”

The PEERLESS REFRIGERATOR, a full line of which we handle, is the only refrigerator made with this perfect construction, which is as follows: 1st, Outside Case; 2nd, Prepared Building Paper; 3rd, Mineral Wool; 4th, Prepared Building Paper; 5th, Air Space; 6th, Inside Case; 7th, Metal Lining. With this construction there is no better Ice Preserver on the Market.

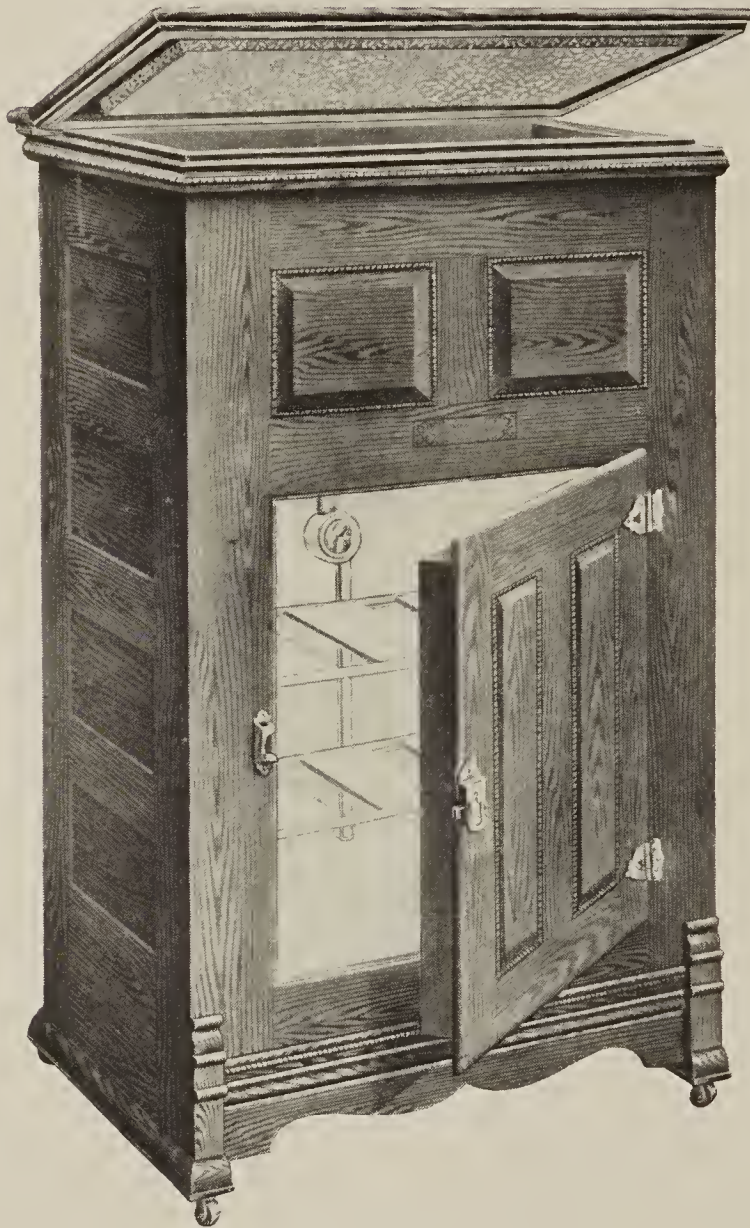
The outer case of all our Refrigerators and Ice Chests is made of selected hardwood, thoroughly dried in Hot Air Dry Kilns. The panels are in one piece and are grooved into the rails and stiles, which are mortised together in the most substantial manner, making a perfectly tight cabinet. The joining and cabinet work are the best obtainable. The inner case, or body, is of kiln-dried, closely matched, odorless wood, lined with metal, and fastened together with hardwood cleats, which support the outside case, making a Refrigerator which for *strength, durability and beauty* cannot be equaled. The space between the outer and inner cases is filled with the best non-conducting material known, our *Mineral Wool Filling*, and this filling is so put in that it cannot settle or shake down. The floors of the Provision Chamber are covered with metal and *are on a level with the bottom of the floor, making it easier to keep clean should anything be spilled therein.*

Provision Chambers are furnished with metal shelves, cleanliest made, and so open as to offer no obstruction to the circulation of air. The Locks and Hinges are made of solid bronze. The Water Tank is white porcelain lined, with solid bronze faucet. All of our Refrigerators are mounted on patented casters, the larger sizes being provided with heavy two-wheeled anti-friction castors.



“PEERLESS REFRIGERATORS.”

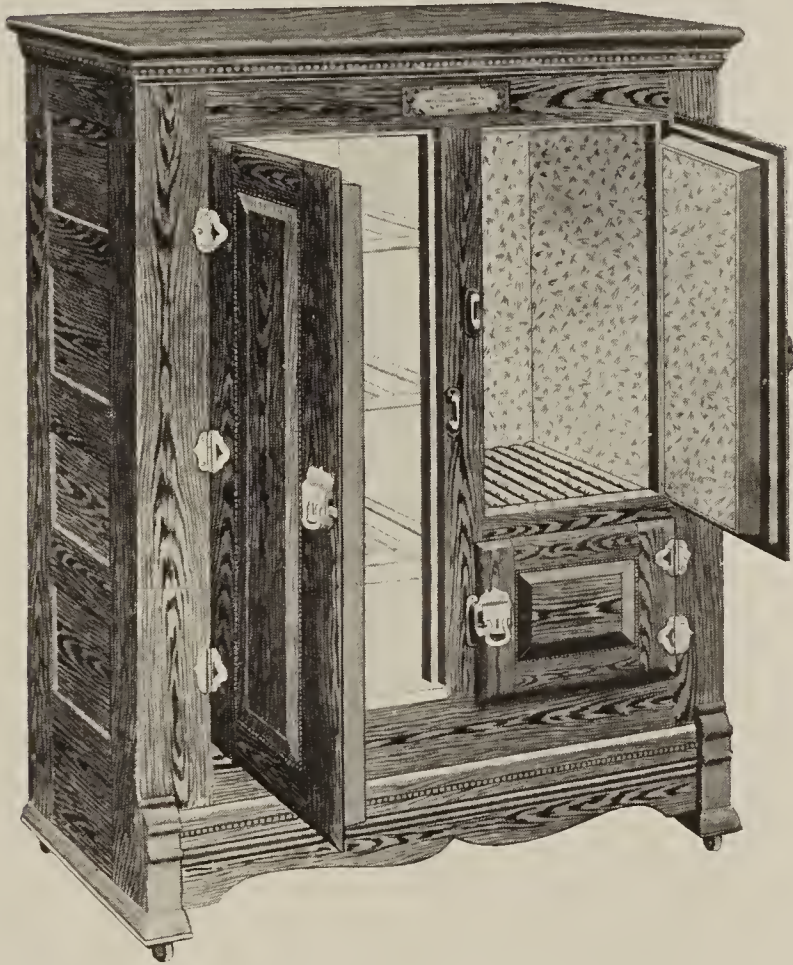
“Peerless” Golden Oak Finish will stand years of wear.



Our “PEERLESS REFRIGERATORS” are all handsomely finished in Golden Oak. Mineral Wool Insulation. White Enamel and Galvanized Steel lined. Catalogue and Prices on application.

“PEERLESS REFRIGERATORS.”

A poor refrigerator is dear at any price. Buy the “Peerless” if you want a good one. We guarantee them.

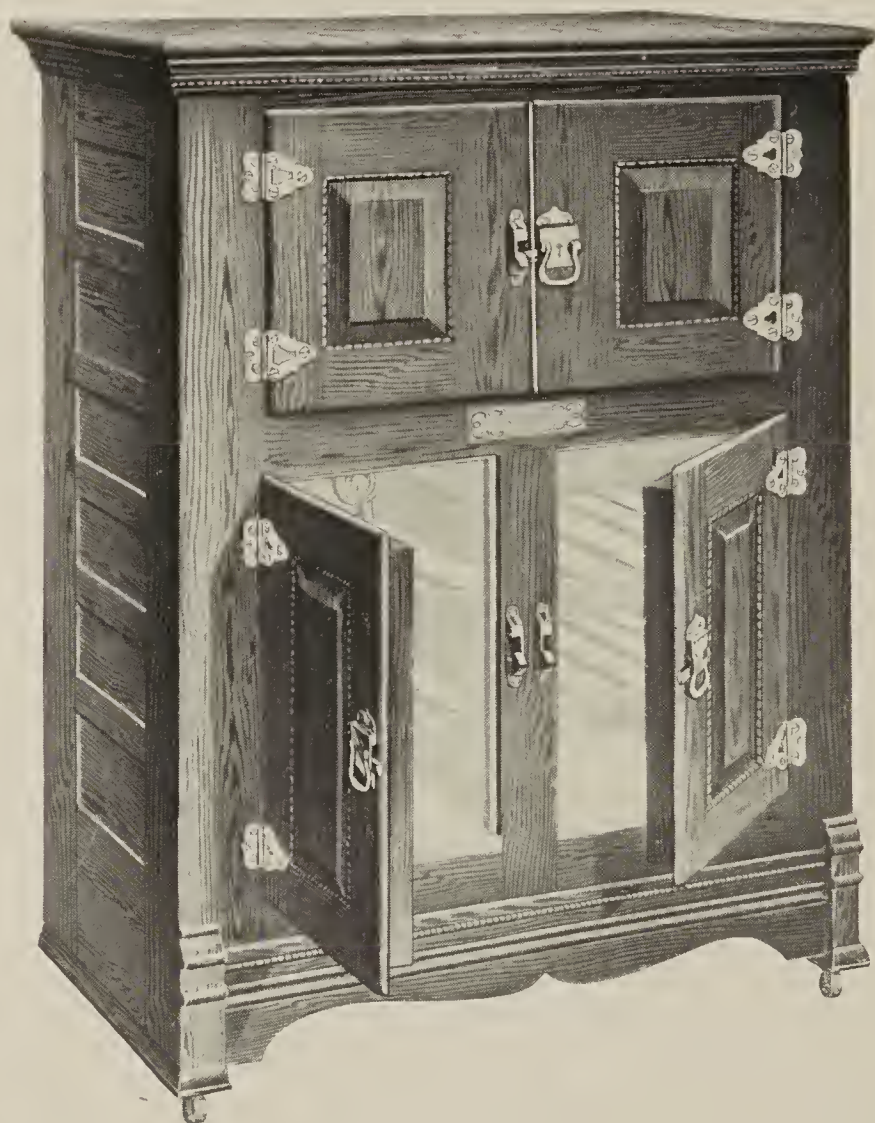


We handle a complete line of Sanitary Refrigerators for Homes, Hotels and Grocers, Butchers' Sectional Refrigerators, Ice Chests, Etc.

Catalogue and Prices on application.

“PEERLESS REFRIGERATORS.”

“Peerless” Mineral Wool Insulation reduces your ice bills.



Handsomely finished in Golden Oak. Lined in both White Enamel and Galvanized Steel. Cannot be surpassed as an Ice Saver and Food Preserver.

Catalogue and Prices on application.

ICE CHEST.

With triple walls. Fitted with sliding shelves.

A refrigerator is preferable to an ice chest as there is no interior circulation of dry air in the latter.



We handle a complete line of Sanitary Refrigerators for Homes, Hotels and Grocers, Butchers' Sectional Refrigerators, Ice Chests, Etc.

Catalogue and Prices on application.

PRICES OF RESERVOIR COVERS.

Happy Home "A," Columbian Echo, Columbian Star, Columbian Jasper, Columbian Emblem, Columbian Merit, Columbian Rival, Columbian Special, Columbian Triumph Reservoir Covers, per set of two pieces, enameled with trade mark on, per set, net	\$ 70
Reservoir Covers for all other Stoves and Ranges, net.....	80

Shakers and Lifters.

No. 45-K Nickel Shaker, per dozen, net.....	\$1 25
No. 45-K Nickel Shaker, less than one-half dozen, each, net.....	12
No. 45-K Shakers fit the following: Grip, Columbian Air Tight, Columbian Ulster Nos. 113, 115, 117, 120. Columbian Cadet, Columbian Sun, Columbian Magic, Columbian Oak, Columbian Chime, Sunlight, Columbian Pearl, Columbian Prize, Centre Draw Grates in the Columbian Art, Columbian Joy, Columbian Joy A1, Columbian Sylph, Columbian Tropic, Columbian Ivy, Columbian Era, and many of the Morning Light Sheet Iron Stoves. The outside ring or Ransom Grate on the Columbian Art, Columbian Joy A1, Columbian Coral, Columbian Jewel, Columbian Oak No. 25, Oakdale No. 36; 46 Morning Light, Black Diamond Centre Draw Grate.	
No. 192-K Nickel Shaker, per dozen, net.....	\$2 00
No. 192-K Nickel Shaker, less than one-half dozen, each, net.....	20
No. 192-K Shaker fits the following: New Cappello, Series "A"; Columbian Plato and Columbian Choice, Series "A"; Columbian Echo and Columbian Star, Series "B"; Columbian Jasper and Columbian Emblem, Columbian Peerless and Columbian Fireside, Happy Home "A"; Nos. 7-16 and 8-18 Columbian Newport since 1895; Columbian Ideal, Columbian Daisy since 1895, with Triplex Grate; Columbian Daisy "B," Columbian Charm since 1895, with Triplex Grates; Columbian Victor, Columbian Triumph, Columbian Merit, Columbian Rival, Columbian Special, No. 8-20 New Miner's Friend, Aurora. Duplex part of the Columbian Art, Columbian Joy A1, Columbian Tropic, Columbian Jewel, Columbian Coral, Columbian Joy, Black Diamond, Triplex, Columbian Pansy, Columbian Pride, Oakdale, Columbian Oak No. 25.	
Home Delight, Cappello, Morning Light, Ranges, Nos. 70 and 80 Newport, and Duplex Grate Shakers for our older stoves.	
Per dozen, (these are now all plain, not nickeled), net.....	\$1 50
Less than one-half dozen, each, net	15
Morning Light Shakers, Nos. 10, 11, 12, 13, 14.	
Per dozen, (this is a forked end shaker), net.....	\$ 80
Less than one-half dozen, each, net	10
Single Sloan Grate Shakers (Plato), not nickeled, each, net.....	20
Darling, St. George, Pretty, Lapierre, and all Flat Grate Shakers of this class, per dozen, net	1 00
Ulster, Nos. 13, 15, 17, 20, 23, 25, 27, 30, per dozen (plain), net.....	1 00
Columbian Ulster, Nos. 13, 15, 17, 20. Triplex Grate Individual Shaker. Per dozen (plain), net	1 50
New Cappello, Nos. 17, 88, 18, 99 and all the Sloan Grate Shakers, each.....	20
Shakers for Flat Grates in our Heating Stoves such as the Belle, Sam, Active, Nobby, Alpine, Edison, Tiger, per dozen, net.....	65
Sam Shakers for New Vim, Columbian Gem, Columbian Rose, Columbian Daisy "C," per dozen, net	1 00
No. 159 Nickel Lifter, per dozen, net	30
Cover Lifter, round handle, per dozen, net	45
Common Bronze Lifters, per dozen, net	18

Repair Classification in Effect October 22, 1906.

CLASS NO. 1.—Fire Pots and Grates for Brick Set Furnaces, Basket Grates and Heavy Fire Plates for Cook Stoves (Regulator Pattern) Cylinders for Climax, Prince, Vulcan and Conquest Furnaces 5 cents, net

CLASS NO. 2.—Cylinders for Banner and Comet Furnaces and Ulster Stoves, Grates for Furnaces, Drum Plates and Crabs for Furnaces.....6 cents, net

CLASS NO. 3.—Fire Pots for Egg, Globe (except Ulster), Cannon and other surface-burning and self-feeding Stoves, Duplex, Triplex and Centre Draw Grates, for Cooks, Ranges and Heating Stoves, Fire Plates for Ranges, Light Fire Plates for Cooks and Ranges, Covers, Cross Pieces, Props, Clamps and Flat Grates for Ranges, Key Castings for Ranges and Grate Rests for Heating Stoves. 7 cents, net

CLASS NO. 4.—Tie Pieces and Slip Plates for Cook Stoves, Grates and Magazines for self-feeding Stoves, Bottoms, Tops, Hearth Plates, Ash Pits, Oven Plates, Doors, Jambs and other castings not otherwise classified for Cook Stoves and Ranges, Bottoms, Ash Box Sides, Tops, Body Rings, Fronts and Doors for Furnaces, Bottoms, Tops, Ash Box Parts, Body Rings, Doors, Frames, Mica Holders and other castings not classified for Heating Stoves 8 cents, net

CLASS NO. 5.—All pieces weighing less than one pound when shipped alone will be charged at the rate of 10 cents each.

All Nickel Casting, 18 cents per pound, net.

SPECIAL NOTICE.

All repair castings for Obsolete Stoves will be charged for in keeping with the increased cost for such goods, which will be not less than fifty per cent. above the classification to which they belong.

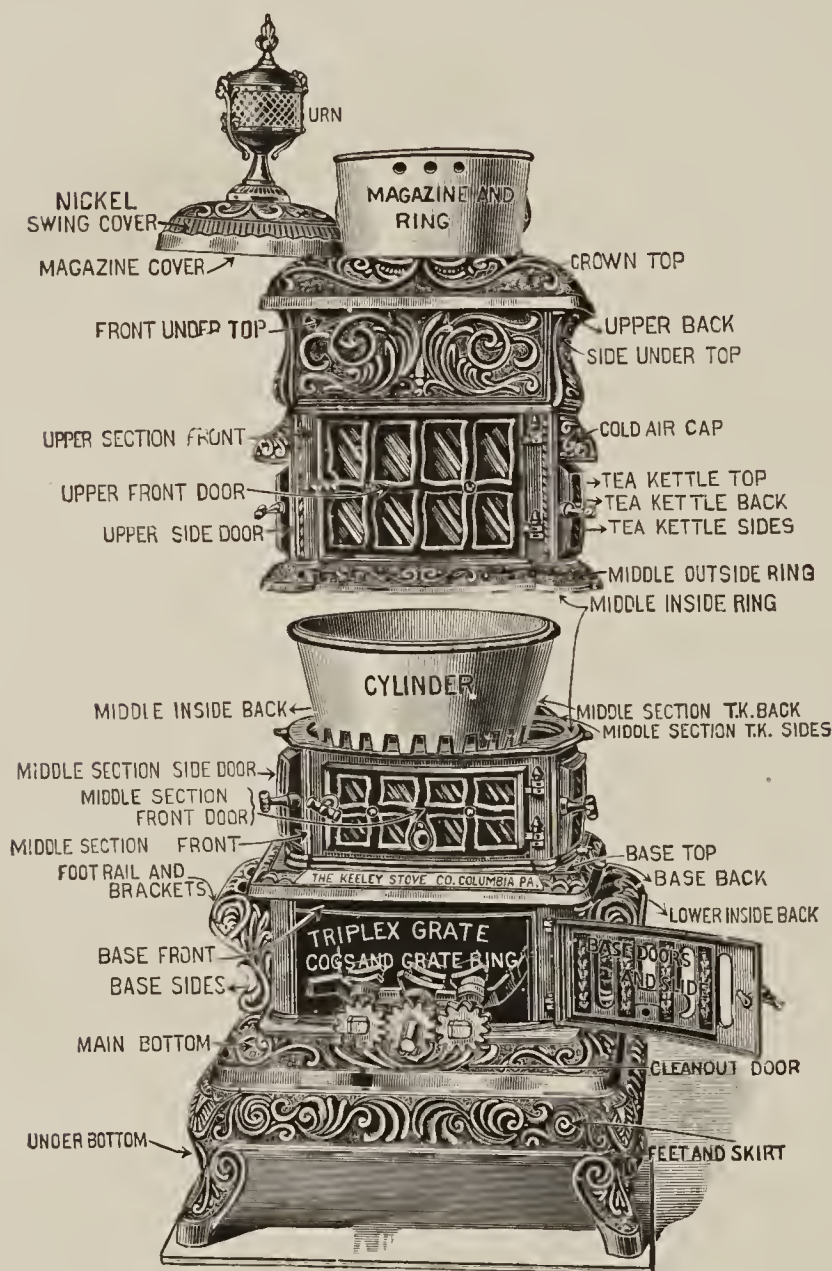
Obsolete Stoves are such as are not illustrated in the last issue of our Catalogue, except Magazines, Fire Pots, Fire Box Linings, Covers and Centres.

Obsolete castings are *not returnable* in any event.

Castings and repair materials are not returnable until our consent is obtained. When errors or mistakes occur the purchaser must hold all shipments until the party making the error is located.

REPAIR DEPARTMENT.

Columbian Joy, Jewel and Coral Heaters.



Sectional View.

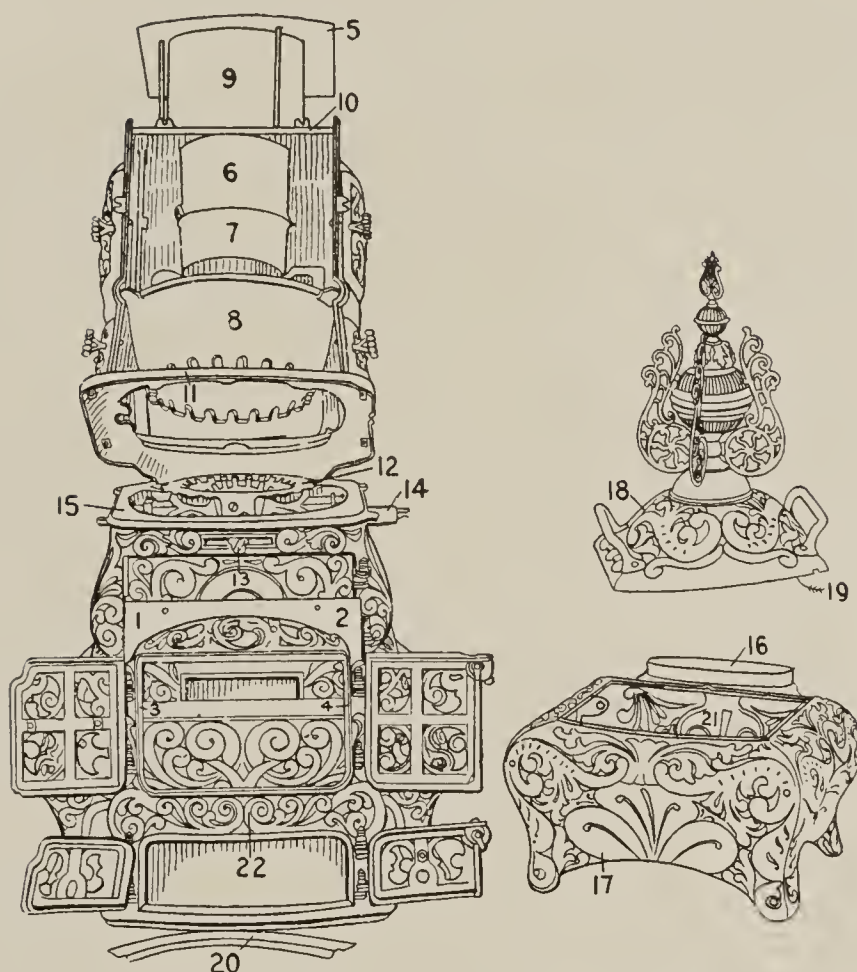
The Dealer That Handles Repairs Should Study This Illustration.

The above cut illustrates a sectional view of the above-named heaters. If the dealer, when ordering repairs, will use these names and refer to this page, it will be helpful to us in understanding his order. To put in a new cylinder, the stove may be parted in the centre by taking out four bolts. The magazine lifts out at the top without removing or disturbing a bolt. The grate can be removed and placed in position through the ash door. The farmer, laborer, or any person with screw driver, wrench and hammer, can very quickly and easily repair this heater. These points are of very great importance to the dealer and economical to the purchaser.

REPAIR DEPARTMENT.

Columbian Art.

Nos. 32, 52, 62—Sectional View.



- | | |
|--|-----------------------------------|
| 1. Bolt. | 12. Ransom Grate. |
| 2. Bolt. | 13. Ransom Grate Handle. |
| 3. Bolt. | 14. Duplex Grate Shank. |
| 4. Bolt. | 15. Base Top. |
| 5. Top. | 16. Hot Air Collar. |
| 6. Upper Magazine. | 17. Front Under Top. |
| 7. Lower Magazine | 18. * Nickel Swing Cover. |
| 8. Cylinder. | 19. * Plain Swing Magazine Cover. |
| 9. Steel Top Between Under Top, Magazine Rest. | 20. Front Fire Pot Rest. |
| 10. Upper Reflector Plate. | 21. Back Under Top. |
| 11. Division Plate. | 22. Upper Front. |

A careful and clearly made up repair order means dispatch in shipment, satisfaction to both purchaser and manufacturer. We hope that the purchaser will see that the order is clear.

The construction is made with the idea of making repairing easy and simple.

The magazine, which is made in two sections, can be repaired by removing the lower section (No. 7 in illustration) and replacing the new piece through the front doors, without removing any of the outside parts of the stove.

THE FIRE POT.—To remove the Fire Pot you simply take out the four bolts (marked Nos. 1, 2, 3 and 4 in illustration), this enables you to remove the entire front, then lift out the front fire pot rest (No. 20 in illustration) and remove the fire pot. The fire pot can then be put in and all parts replaced. Cement all joints carefully.

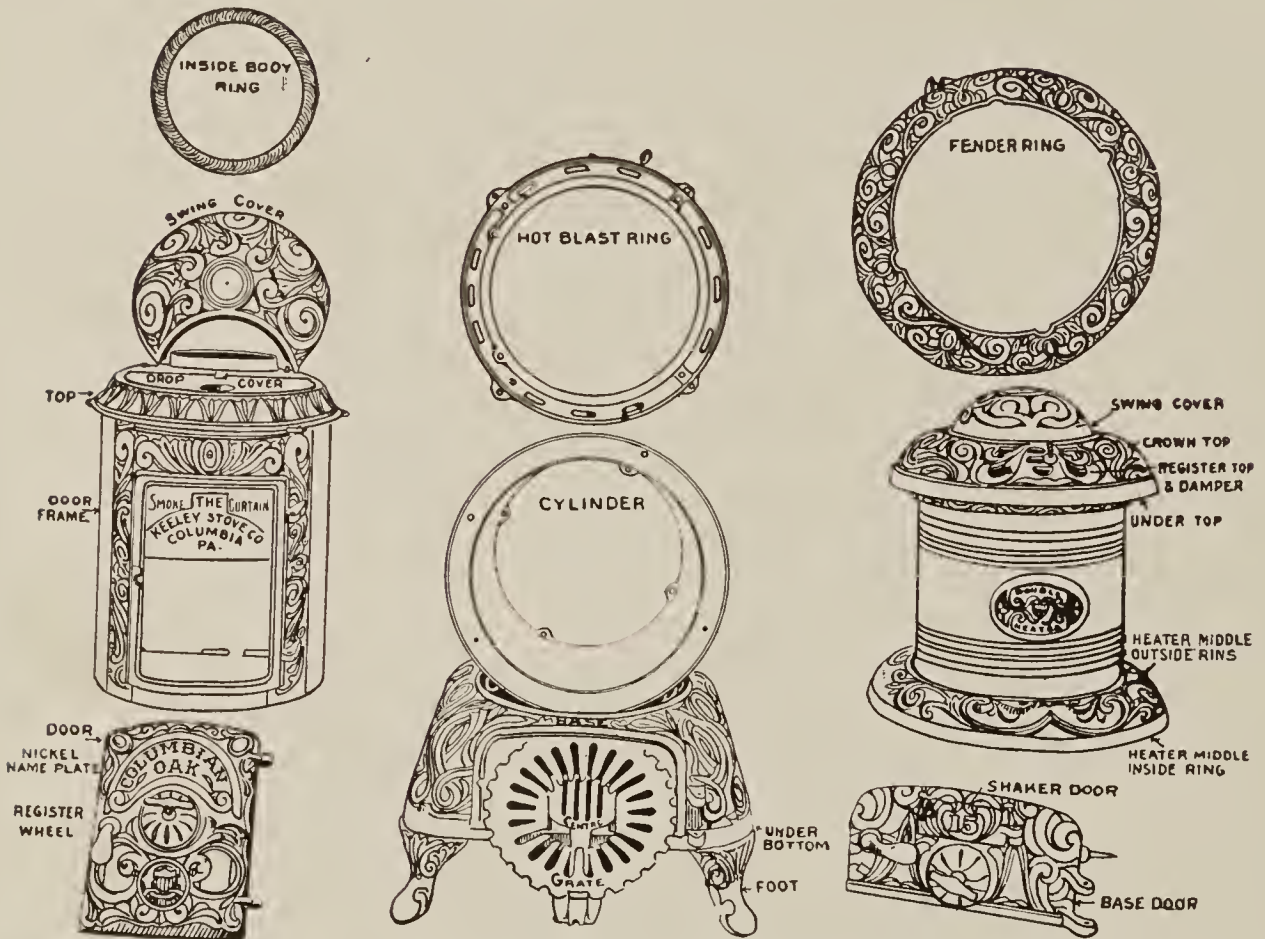
THE GRATE.—To replace the grate remove the bolts in the division plate (No. 11 in illustration) where the stove parts and the grate can be removed and replaced.

* The repair man should carefully distinguish between these two covers and clearly state which is needed.

REPAIR DEPARTMENT.

Columbian Oak.

Sectional View of Nos. 15 and 17—Single and Double Heater.



The Above Illustrations Show the Important Parts of Our Columbian Oak Stove as Well as the Heater Section of the Double Heater.

The cylinder is securely fastened to the base with four bolts.

The hot-air blast is formed by bolting the hot-blast ring to the top of cylinder.

The air is admitted to the hot-blast chamber by passing underneath the fender ring through the opening in the hot-blast ring, from there into the combustion chamber at top of cylinder.

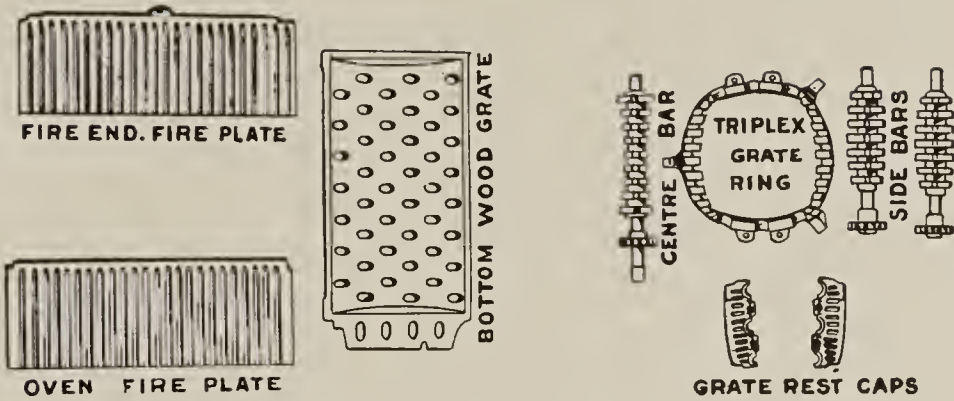
The removal of four bolts underneath the fender ring separates the stove into two parts if desired, which makes it convenient and easy to handle.

The grate is easily agitated by applying the shaker through the opening at shaker door.

The wood grate can be used in application with the coal grate by putting it in place resting on the coal grate.

The feed door is decorated with nickel name plate, tile trade-mark and mica section through which the owner can view the operation of the hot-blast fire in the combustion chamber.

REPAIR DEPARTMENT.



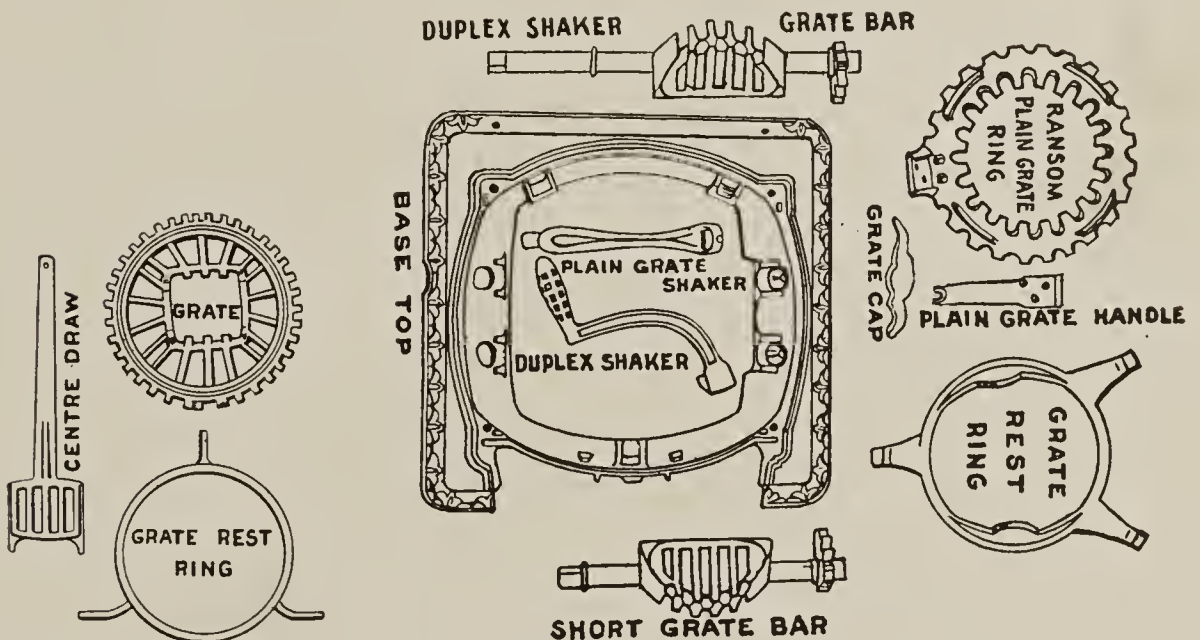
Group No. 1.

Group No. 2.

Group No. 1 illustrates the wood linings for our New Cappello, Choice, Columbian Plato and other Ranges of that class. If these parts are studied and names used and referred to, your repair orders can be clearly understood. Names in full, number, dates, etc., should be clear in every order. The above are linings for burning wood.

Group No. 2 illustrates our application of the Triplex Grates as used in many of our Stoves.

The Centre, or Shaking Bar, Side Bars, Triplex Grate Ring and Grate Rest Caps are names and descriptions, if used when ordering repairs, will help to make your wants clear.



Group No. 3.

Group No. 4.

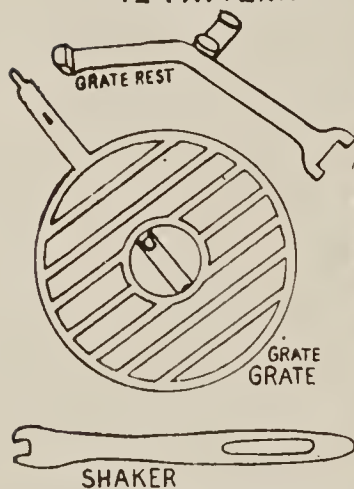
Group No. 3 illustrates our Centre-Draw Grates as used in our Stoves and Furnaces. An order for "a full and complete grate" means the three parts. If less than a full grate is needed, name the piece desired.

Group No. 4 illustrates the Duplex Grates as applied to our late Stoves. This grate, when complete, is supplied with two shakers. If but one is needed, in the event of repairing your stove, clearly indicate your wants as to the kind needed—No. 45-K or No. 192-K; the former is the plain Grate Shaker and the latter Duplex.

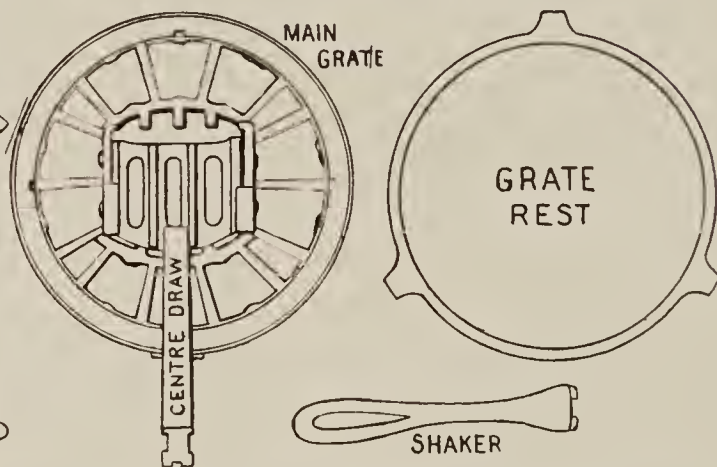
REPAIR DEPARTMENT.

Illustrations of the Grates for the Ulster and Columbian Ulster.

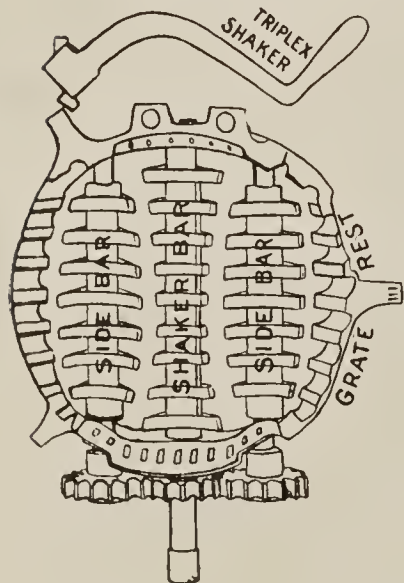
13. 15. 17. 20.
ULSTER
1st PATTERN



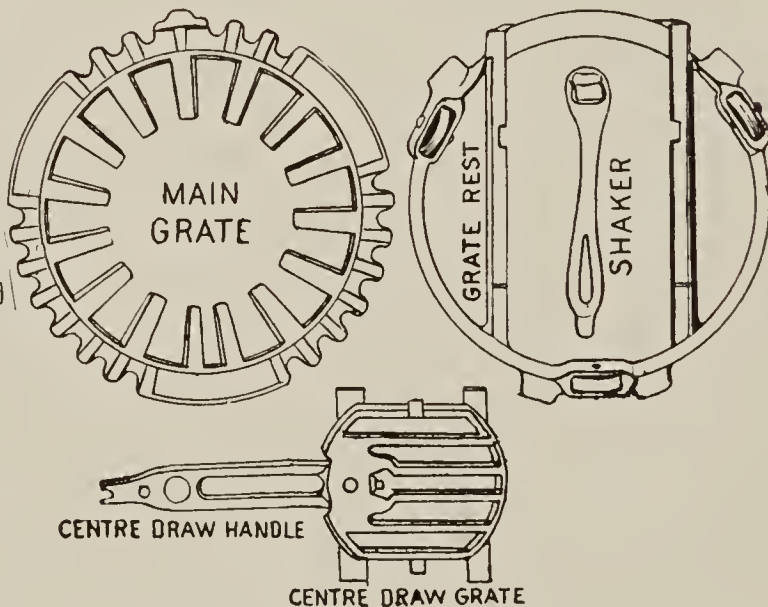
23. 25. 27. 30.
ULSTER
2nd PATTERN



13. 15. 17. 20
COLUMBIAN ULSTER
3rd PATTERN



113. 115. 117. 120
COLUMBIAN ULSTER
4th PATTERN



Helps to Repair the Ulster and Columbian Ulster.

1st Pattern: Name—ULSTER. Numbers 13, 15, 17 and 20. Bottom Cylinder made with poke hole in front. Illustrations—Grate, composed of Grate Rest, Grate and Shaker.

2nd Pattern: Name—ULSTER. Numbers 23, 25, 27 and 30. No poke hole in Cylinder. Illustrations—Grate Rest, Main Grate, Centre Draw and Shaker.

3rd Pattern: Name—COLUMBIAN ULSTER. Numbers 13, 15, 17 and 20. Same Lower Cylinder as 2nd pattern. Illustrations—Grate, Triplex—3 bars, Grate Rest Ring, Shaker Bar, Side Bars, Cogs, Front and Back Grate Cap and Shaker.

4th Pattern: Name—COLUMBIAN ULSTER. Numbers 113, 115, 117 and 120. Cylinder independent. Grate, Centre Draw anti-friction, made up from Grate Rest Ring, Main Grate, Centre Draw Grate with Handle and Shaker.

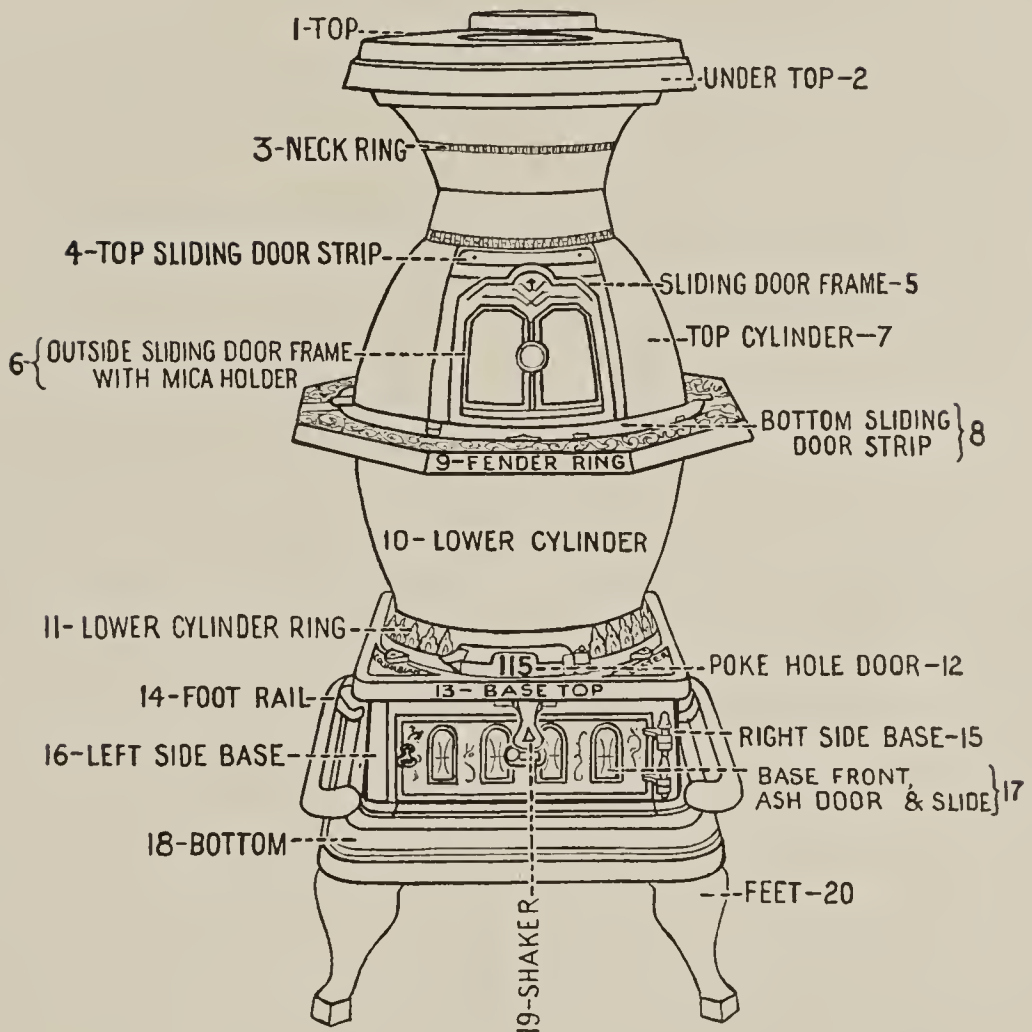
The purchaser will please get names and numbers full and clear. Distinguish between COLUMBIAN where it is used and where it is not.

When the word "Columbian" is part and parcel of the name of the stove, it should be in the order; if not, it should not be. Examine every stove carefully before ordering repairs.

REPAIR DEPARTMENT.

Columbian Ulster.

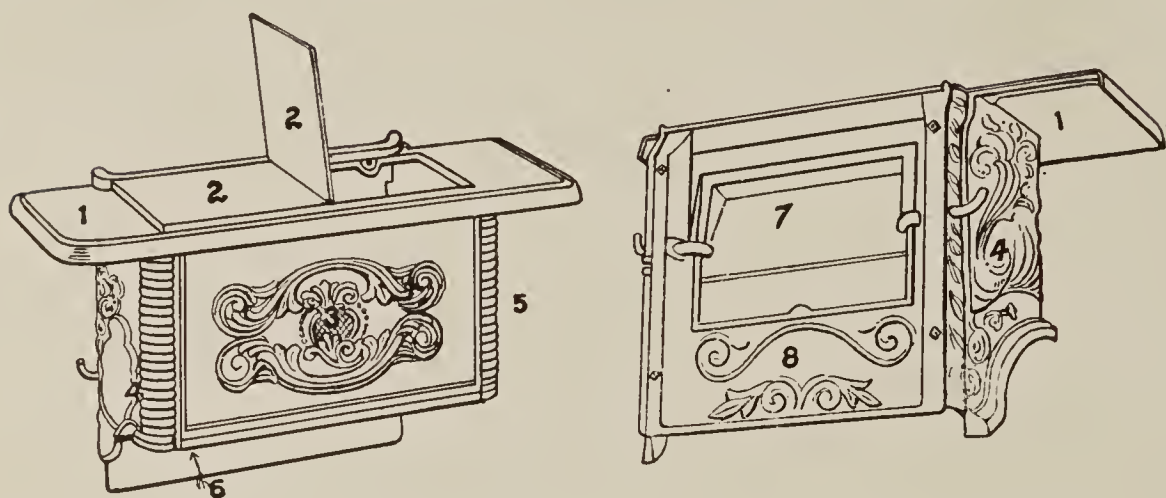
Illustrated for the Repair Customer.



1. Top. In the event that the Ulster to be repaired is a collar back the top is different; for that reason the purchaser should say the stove has collar or no collar on the top.
2. Under Top.
3. Neck Ring.
4. Top Sliding Door Strip.
5. Sliding Door Frame. The earlier Ulster Stoves when first made had hinge or swing door. The purchaser should describe the kind of door needed.
6. Outside Sliding Door Frame with Mica Holder.
7. Top Cylinder.
8. Bottom Sliding Door Strip.
9. Fender Ring.
10. Lower Cylinder.
11. Lower Cylinder Ring.
12. Poke Hole Door.
13. Base Top.
14. Foot Rail.
15. Right Side Base.
16. Left Side Base.
17. Base Front, Ash Door and Slide.
18. Bottom.
19. Shaker.
20. Feet.

REPAIR DEPARTMENT.

Illustrations of Reservoir Parts for Reservoir Ranges.



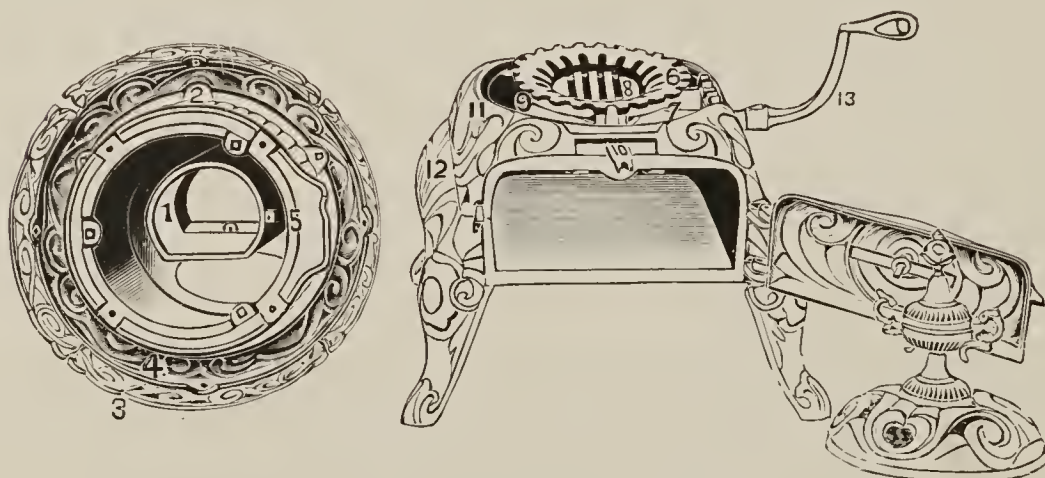
1. Reservoir Top.
2. Reservoir Covers.
3. Outside End of Reservoir.
4. Front of Reservoir.

5. Back of Reservoir.
6. Reservoir Bottom.
7. Reservoir Damper.
8. Inside or Flue End of Reservoir Range.

Repairs for Reservoir Range are hard to describe, but by keeping in view the locations, "back is back," all along the Range, front "front," end "end," etc. When ordering keep in mind that the front of the Reservoir part is not the front of the Range. To illustrate, do you want the front for the Range where oven door is on, or front of Reservoir part of Range? Make the distinction clear. Use the same care when ordering back or any part of a Reservoir Range. Tops, Covers, etc., should be carefully defined as to where they belong.

The above OAKDALE illustrations will be very helpful to the dealer in making up his repair order.

Sectional View of Oakdale.

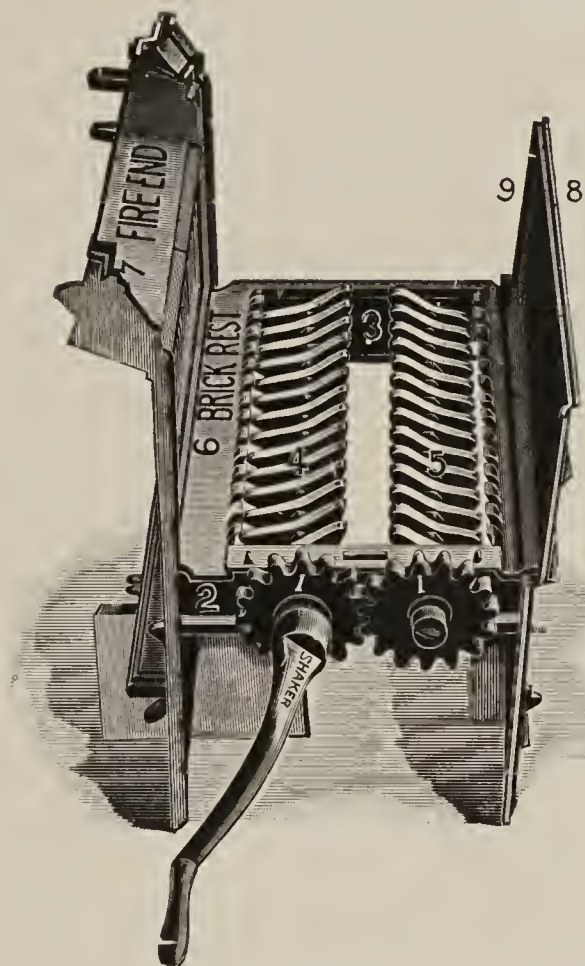


1. Magazine.
2. Cylinder.
3. Nickel Curtains on Outside Body Ring, four sections.
4. Outside Body Ring.
5. Bottom Cylinder Ring or Top Base Ring.
6. Ransom Grate Ring, Flat.
7. Shaker Grate Bar, Duplex.

8. Short Grate Bar, Duplex.
9. Grate Rest Ring or Carrier.
10. Ransom Grate Ring Handle.
11. Top Half Base.
12. Bottom Half Base.
13. Combination Shaker for Duplex and Flat Grate Ring.

The cut illustrating the cylinder is showing that part of the stove lying upon the side with bottom of cylinder toward you looking upward into the stove.

REPAIR DEPARTMENT.

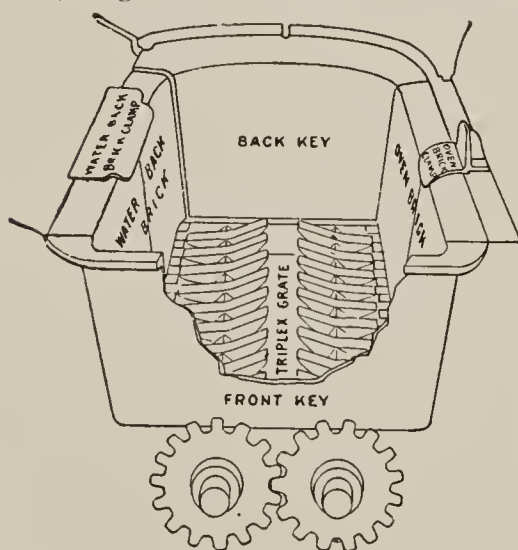


Use the Names Given
Below in Ordering
Fire Box Repairs.

1. Grate Cogs.
2. Front Grate Carrier.
3. Back Grate Carrier.
4. Long or Shaker Part of Triplex Grate.
5. Short Part of Triplex Grate.
6. Brick Rest or Bed Plate.
7. Fire End or Open End of Range.
8. Fire End of Oven Plate.
9. Fire Plate. This Plate Lies between Fire End Oven Plate (No. 8) and Oven Brick.

Read Matter on Fire Boxes Given Below.

In some Ranges we use three (3) bar grates. For repairs the order should clearly state the number of bars in the grate. The above cut illustrates the Bed Plates, Shaker Bar, Cog and Shaker of a two-bar Triplex Grate and Short Bar and Cog of Triplex

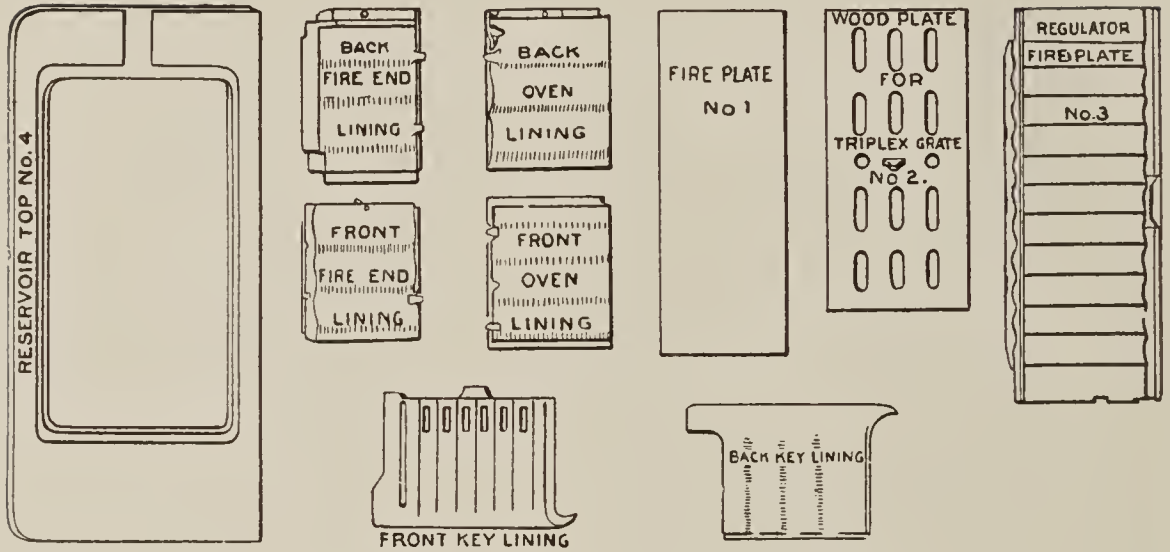


Grate. The lower cut illustrates a Range Fire Box with the linings named as we name them at our works. The end or lining marked "Front Key" is sometimes called front grate, because it is opened along the bottom like a grate. The "Back Key" may be brick or iron, and is brick in our New Cappello and Choice Ranges. The wall between the oven and fire box is composed of three parts, "Oven Plate" proper, "Fire Plate" and "Oven Brick." The "Fire Plate" lies between the oven brick or cast linings (when such are used) and the "Oven Plate" proper. The words "Back Wall" are sometimes used for one division of the lining between the oven and the fire box; in such instances we are unable to decide whether the customer wants brick or cast lining or fire plate, hence we prefer that our customers shall use our names if they wish us to clearly understand their wants.

Linings are sometimes ordered less "Water Back Brick," or "Grate Brick," as they are sometimes designated by us. Water Back Brick Clamps, Oven Brick Clamps, Triplex Grates, Brick Rests and Grate Carriers, with the parts illustrated in lower cut, complete a full fire box lining. Be careful to notice and mention in your order the location of the fire box, whether it is located at the Right or Left of the Oven.

REPAIR DEPARTMENT.

Reservoir Top and Fire Box Illustrations.



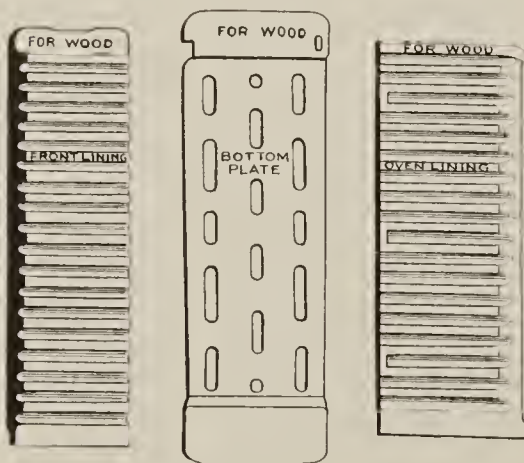
In the above groups No. 1 illustrates the Fire Plate for a Range. This lies between the oven brick and oven plate.

No. 2 is the Wood Plate, used in our Ranges without removing the Triplex Grate.

No. 3 is the Fire Plate lying between oven brick and oven plate in Regulator and Golden Grain Cook Stoves.

No. 4 is Reservoir Top, less covers.

The other six (6) illustrations represent the Cast-Iron Lining for a Range Fire Box, where cast lining is used, except front key lining or front grate, which goes in common with both iron or fire-brick linings. Some of our ranges are built with what we term front and back cast "key linings," and brick are used along the oven and opposite side of fire-box. The six illustrations in the above group represent iron lining used in the New Cappello, Columbian Choice, Star, Echo, etc.



The three illustrations to the left represent linings for the stoves when used for wood burning only. They form a very complete fire box for wood burning by removing the coal fixtures. The fire box when arranged with these plates for wood burning is very clean and economical as a wood burner and a perfect baker. We challenge any maker to produce a better fire box for wood burning.

REPAIR DEPARTMENT.

Columbian Jasper and Columbian Emblem.

Columbian Jasper and Columbian Emblem have Fire Boxes, Cross Pieces and Covers interchangeable.

This illustration is intended to help the Dealer get his order clear. In these Fire Boxes the Brick Rest is *both* Brick Rest and Grate Carrier. The long bottom Wood Grate with the Oven Wood Lining and End Wood Lining are the three cast pieces which make a Fire Box for wood burning, including the brick rest or grate carrier upon which the bottom wood grate rests. The short piece marked Loose Bottom Wood Plate is intended to be used for burning wood in a complete coal lined Fire Box, by using it upon the Triplex Grate, hence it is called loose wood plate or grate and should read that way in the order, when desired.

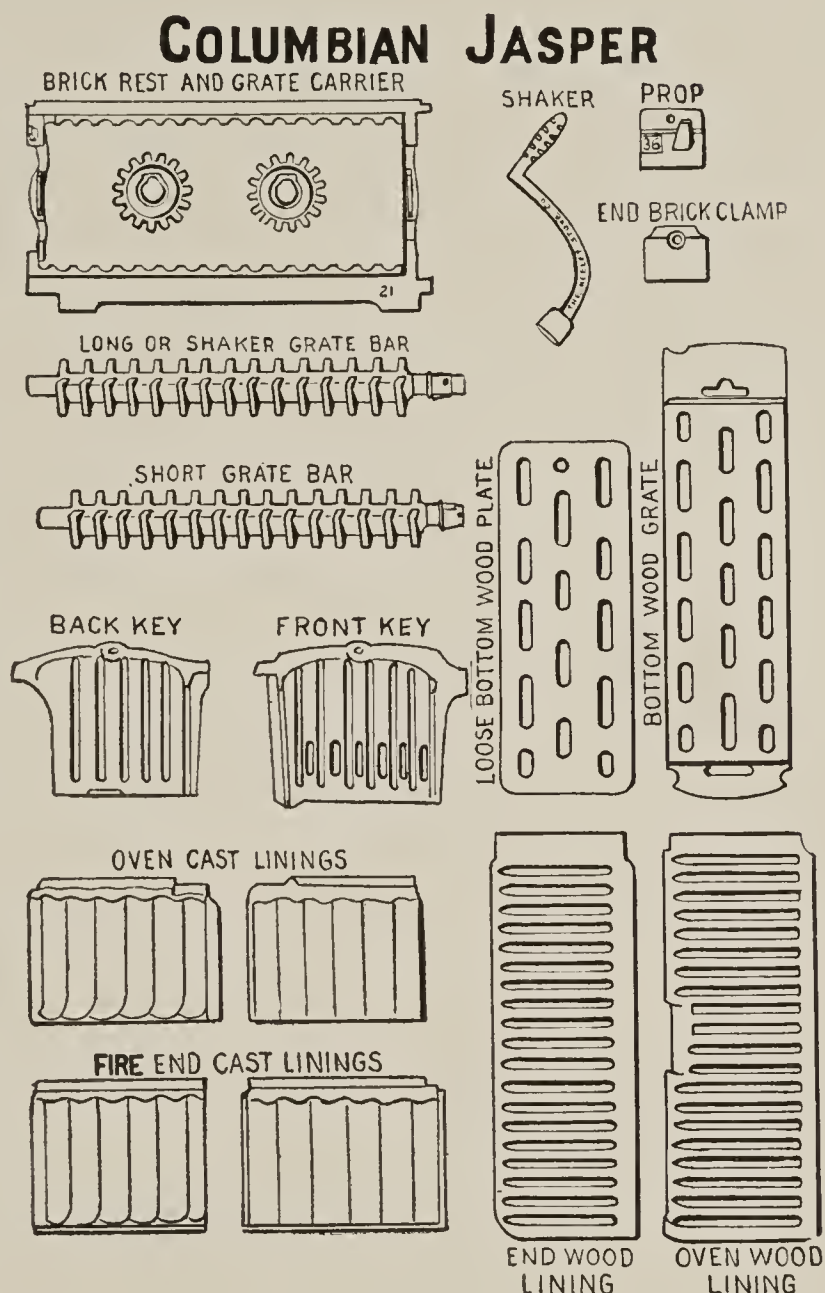
For a Range we call the narrow ends "FRONT and BACK" and the cast lining used front and back are called FRONT and BACK KEYS. (See illustration.)

The Oven side is called Oven Lining; opposite side, Fire End Lining.

In all Ranges we call the side opposite oven, the fire box.

The Oven and Fire End is lined with iron stone lining (brick) and front and back cast iron. The illustration, however, represents a full set of cast linings for wood and coal. The cast linings for coal for Oven and Left End are in two pieces, for wood burning they are in one piece.

Brick Linings are used in these Ranges as a rule. The cast lining the exception; hence every order in which cast linings are desired should be clearly written and expressed either for a complete set of linings for Wood burning or Cast Iron for Coal.



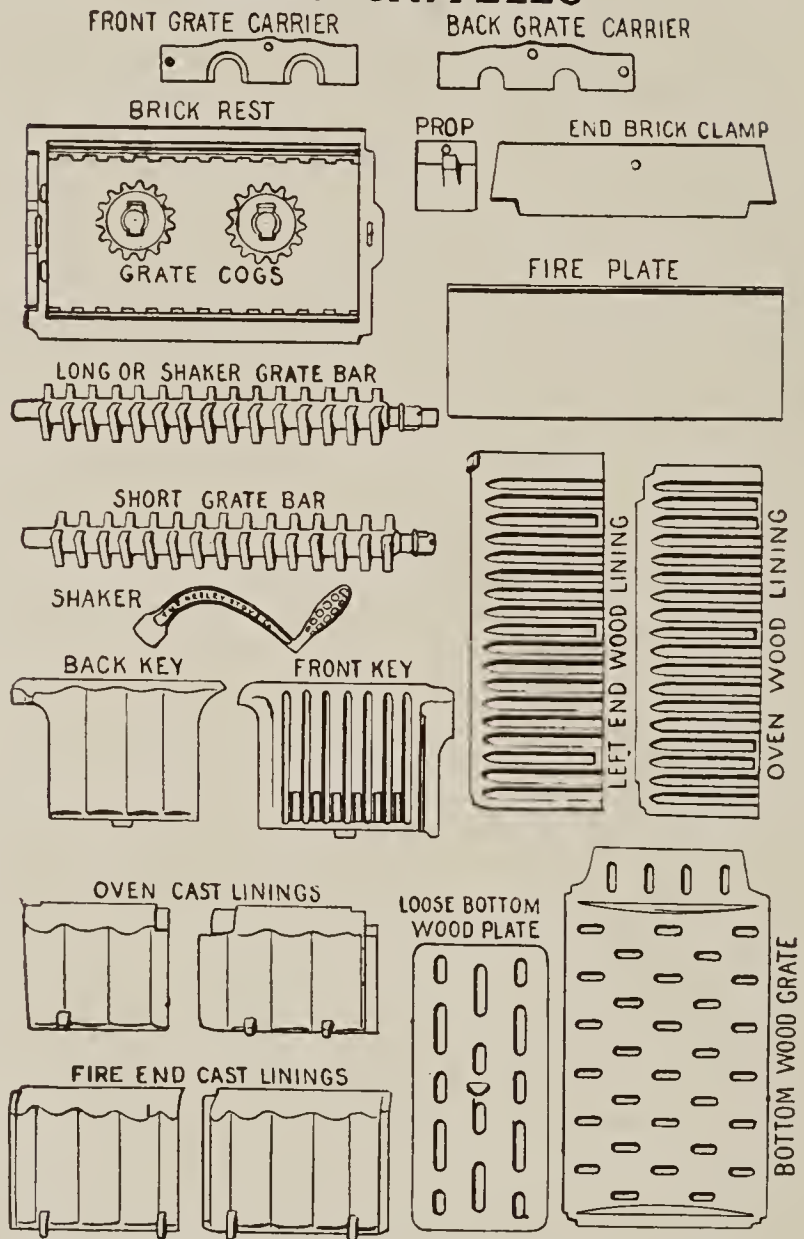
REPAIR DEPARTMENT.

NEW CAPPELLO

Columbian Choice and New Cappello.

New Cappello and Columbian Choice have interchangeable Fire Boxes, Covers and Cross Pieces. In these fire boxes the grate rests are narrow pieces called front and back Grate "Carriers" and are the narrow way across the fire box under the Brick Rest. The Brick Rest is applied in two parts, one the narrow straight piece under the Water Back. This is done to remove and supply it without disturbing the Water Back and Connections in repairing.

The BOTTOM WOOD GRATE with the OVEN WOOD LINING and FIRE END WOOD LINING form a fire box for burning wood only.



The Short LOOSE BOTTOM WOOD PLATE is to rest upon the Triplex Grate for burning wood in a Coal-lined fire box.

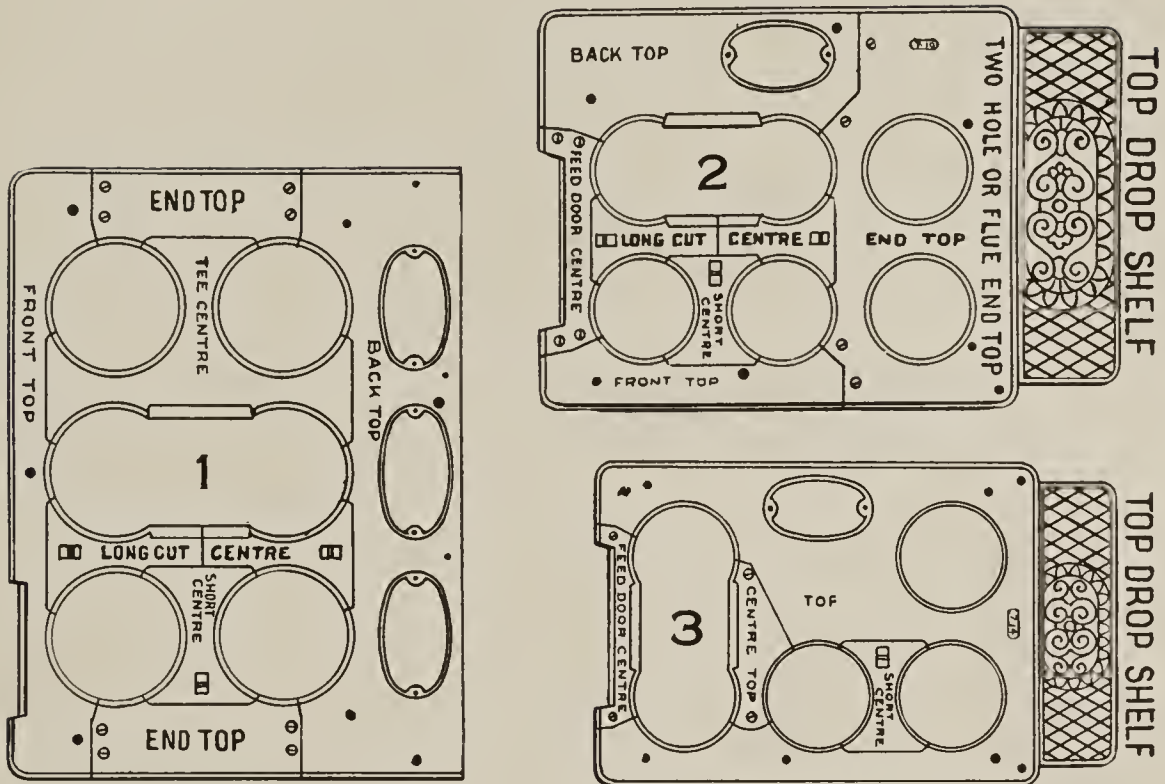
In these Ranges the Brick Linings are in five (5) pieces and consist of the Oven, Back Key, and end opposite oven lining; the Front is cast Front Grate or Cast Key.

Remember the narrow ends of the fire box are Front and Back in Ranges so considered by us.

These Ranges can be lined with Cast Linings all told in six (6) pieces; Front and Back Keys, Oven Linings (two pieces), opposite oven (two pieces). Opposite oven is sometimes called Grate or Water Back Brick or Lining. Between the Oven Plate and the Oven Brick in some Ranges we use a Cast Plate called "Fire Plate," see illustration page 134. From the illustration the purchaser ought to be able to describe his needs including Brick, Clamp, Prop and Grate and Cogs. The Columbian Star and Echo are supplied with grate carriers after the fashion of the New Cappello, but not interchangeable.

REPAIR DEPARTMENT.

Group of Tops for Ranges.



This group of Tops is illustrated for the purpose of assisting the dealer to order repairs. Tops are differently made in their skeleton parts.

No. 1 illustrates the PEERLESS, AURORA and EXPERT as they are now made and comprise the Front Top, End Tops, Back Top, Tee Centre, Long-Cut Centre and Short Centre.

No. 2 illustrates the COLUMBIAN CHOICE, NEW CAPPELLO, STAR, ECHO and COLUMBIAN CHARM, and Nos. 8-20 and 9-20 COLUMBIAN, JASPER and EMBLEM Tops as they were made since 1895 and comprises Front Top, Feed Door Centre or Expansion Piece, Two-Hole or Flue End Top, Long-Cut Centre, Short Centre and Drop Shelf.

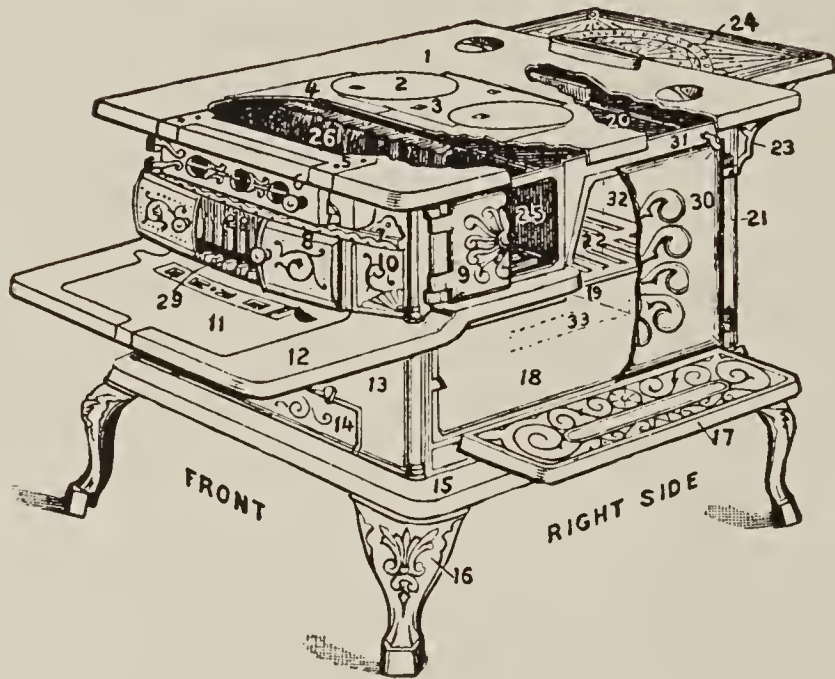
No. 3 represents the COLUMBIAN CHARM (Series "B") Top, BEAUTY, DAISY, ROSE, FAIRY, WALDRON, JASPER and EMBLEM (except Nos. 8-20 and 9-20) Tops, and comprises Top, Feed Door Centre or Expansion Piece, Short Centre, Centre Top or Bolted Centre and Drop Shelf.

The NEW CAPPELLO and PLATO have been altered a number of times, so that the description will not answer for the Top of those Ranges since they were first made, hence you must be guided by the style of Top. The dealer, when ordering repairs such as are illustrated above (Tops, Centres and Covers) will aid the manufacturer if he is careful to secure from his customer the name, number, improvement dates and date of issue, full and clear, for any article needing repairs. We appreciate the difficulty in getting the thing needed, and with the end in view of helping the customer, we ask him to examine all our cuts illustrating the parts of Stoves, so that the order may be clearly made up.

An order clearly made up, with the details, means prompt shipment, removes all guess work and renders satisfaction to purchaser and seller.

REPAIR DEPARTMENT.

Names of Parts of Flat-Top Cooks.



Instructions for Ordering Repairs.

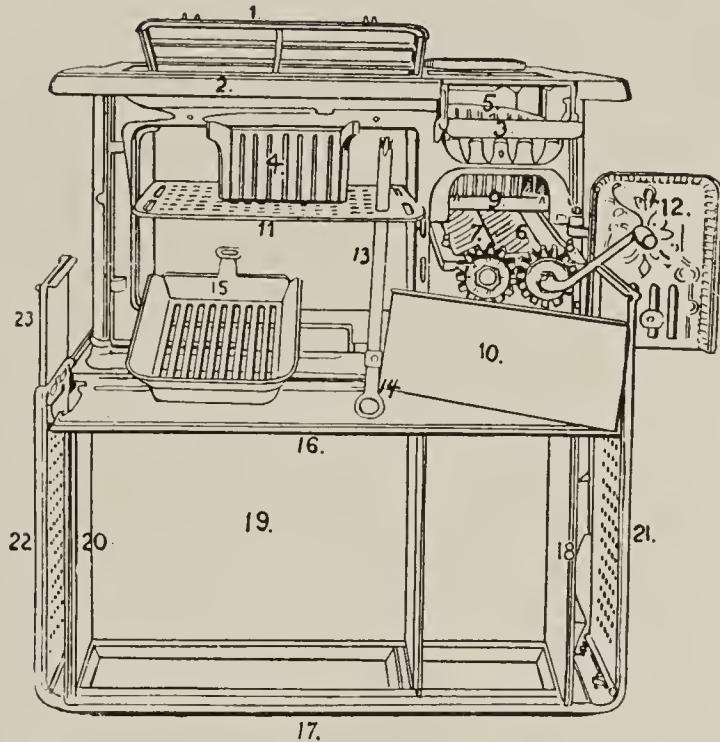
You are in front of a Flat-Top Cook when facing the ash pit. Always stand in front of the Stove, give the full and correct number and name of the Stove, and order the piece by the name given below.

- | | |
|-----------------------------|---------------------------|
| 1. Top. | 18. Bottom Oven Plate. |
| 2. Cover. | 19. Back Oven Plate. |
| 3. Short Cross Piece. | 20. Top Oven Plate. |
| 4. Long Cross Piece. | 21. Right Side or Jamb. |
| 5. Feed Door Frame. | 22. Oven Side. |
| 6. Feeder or Broiler Door. | 23. Drop Shelf Bracket. |
| 7. Sliding Door Strip. | 24. Drop Shelf. |
| 8. Front Sliding Door. | 25. Front Oven Plate. |
| 9. Wood Door. | 26. Fire Plate. |
| 10. Upper Front. | 27. Fire Brick. |
| 11. Hearth Plate. | 28. Basket Grate. |
| 12. Sunk Hearth or Ash Pit. | 29. Basket Grate. |
| 13. Lower Front. | 30. Right-Hand Oven Door. |
| 14. Flue Stop. | 31. Oven Damper. |
| 15. Bottom. | 32. Upright Flue Strip. |
| 16. Foot. | 33. Bottom Flue Strip. |
| 17. Outside Oven Shelf. | |

Cook Stoves, as a rule, are made with Basket Grates, although many of our late ones have Triplex Grates. The fire box linings are a Basket Grate, set Fire Brick and Fire Plate. Lately we have been using cast linings in our Cooks (no bricks). The fire plate lies between the first lining, which may be brick or cast iron, and the front oven plate. Columbian Merit, Rival and Special fire boxes are not fitted with fire plates.

When the term "back wall" is used we are at a loss to know which article is desired, the oven brick or cast lining or fire plate. No. 26 describes the fire plate, in front of this is either brick or cast lining, hence the "back wall" is not clear. Please use our names.

REPAIR DEPARTMENT.



Illustrates Peerless and Fireside.

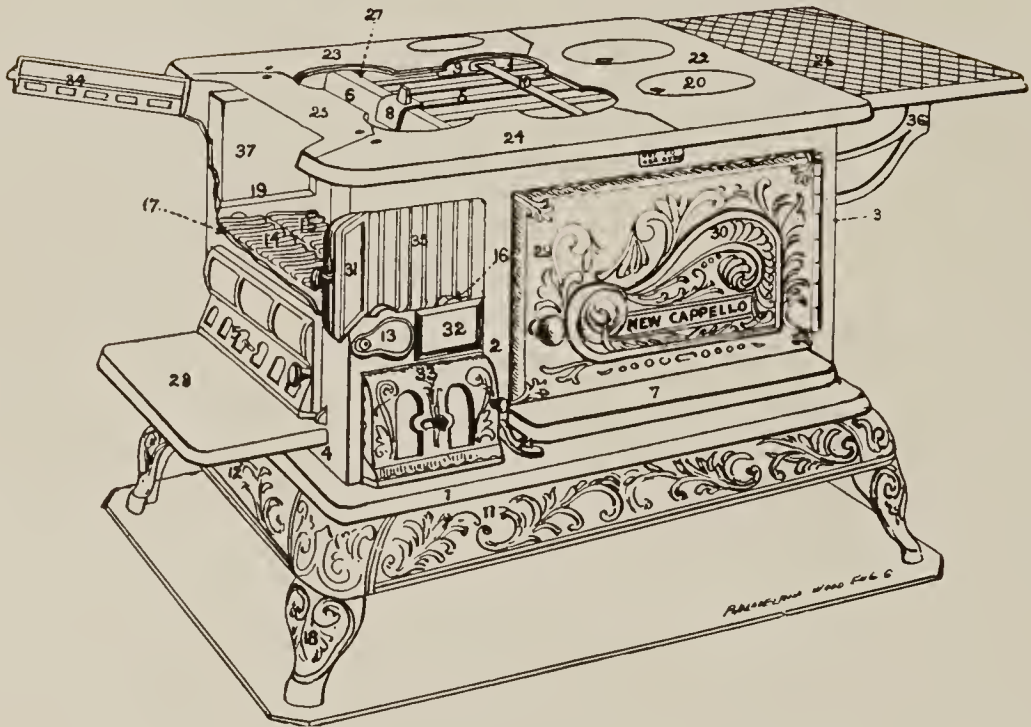
- | | |
|------------------------------|-----------------------------------|
| 1. Top Oven. | 12. Upper Ash Door. |
| 2. Front Top. | 13. Roll Damper Inside Handle. |
| 3. Feed Door. | 14. Roll Damper Outside Handle. |
| 4. Front Cast Key Linings. | 15. Ash Sifter. |
| 5. Back Cast Key Linings. | 16. Lower Oven Back. |
| 6. Triplex Grate Shaker Bar. | 17. Lower Oven Front. |
| 7. Triplex Grate Short Bar. | 18. Lower Oven Ash Box Slide. |
| 8. Triplex Grate Frame. | 19. Lower Oven Ash Box Bottom. |
| 9. Triplex Grate Bed Plate. | 20. Lower Oven Inside End. |
| 10. Fire Plate. | 21. Lower Oven Right Outside End. |
| 11. Oven Rack. | 22. Lower Oven Left Outside End. |
| | 23. Lower Hot-Air Jamb. |

The above cut represents a sectional view of the Fireside and Peerless Ranges. The lower part shows the lower closet resting on the front with the body of the range setting on the back of the closet. The cut shows the interior of the closet and ash-pit. The spaces between 22 and 20 and 18 and 21 represent the cold-air passages leading to the hot-air chamber in the rear of the range. The air in entering the passages becomes highly heated and is carried through the hot-air chamber of the range to the room above. This form of hot-air generator is the most modern and efficient offered to the trade.

The grate frame with triplex grates mounted, rest under the bed plate. These can be drawn out and replaced as illustrated in the cut through the ash-pit door, without disturbing the fire box. The top oven plate can be lifted out through the top by removing the covers and the two bolts in the front, which hold the top oven plate. This simple construction and the ease with which this range can be repaired is a commendable and selling feature.

REPAIR DEPARTMENT.

New Cappello Range.



This Series Made With Right and Left-Hand Oven.

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Bottom. 2. Front. 3. Flue End. 4. Fire End. 5. Large Fire End Door. 6. Oven Brick. 7. Outside Oven Shelf. *8. Oven Brick Clamp. 9. Roll or Draft Damper. 10. Oven Damper Rod and Handle. 11. Long Skirt. 12. Short Skirt. 13. Shaker Hole Cover. 14. Shaker Part of Triplex Grate. 15. Short Part of Triplex Grate. 16. Grate Cogs. 17. Brick Rest or Bed Plate. 18. Foot. 19. Back Grate Carrier, Under Grate. | <ol style="list-style-type: none"> 20. Cover. 21. Kicker. **22. Oven End Top, or Flue End Top. **23. Back Collar Top. 24. Front Top. 25. Tie Bar or Expansion Piece. 26. Flue End Top Shelf, or Drop Shelf. 27. Fire Plate. 28. Fire End Shelf. 29. Oven Door. 30. Oven Door Panel. 31. Wood Door. 32. Number Plate. 33. Ash Door. 34. Broiling or Feed Door. 35. Front Grate, Front Key. 36. Flue End Top Shelf Bracket. 37. Key Brick. |
|--|--|

(These are front and back.)

* Two Brick Clamps are used in the Fire Box of this Range, one the Oven Brick Clamp, the other the End Brick Clamp over Water Back or Grate Brick.

** We use the name Flue End because what would be a right-hand end in a right-hand Range would be a left-hand end in a left-hand Range, and the Diving Down Flue is in this end of the Range.

If the customer when ordering repairs will take the time to consult the above diagram and use the names given to describe the parts needed, we are fully warranted in saying, "The order will be promptly filled."

We call that part of a Range back of pipe and opposite oven door the "Back." The parts under top drop shelf and upon which broiler door swings (No. 34) "Ends." The part upon which oven door swings "Front."

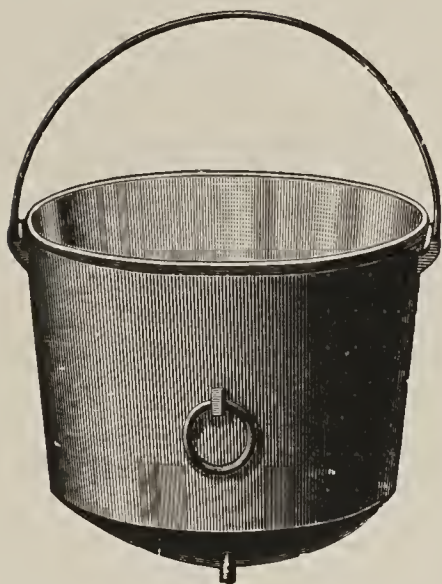
Never forget to give the full name and number of article to be repaired.

Bulged Pots.



No.	Polished.	Nickel Plated.
7.....	\$1 10	\$2 20
8.....	1 26	2 52
9.....	1 50	3 00

Regular Kettles.

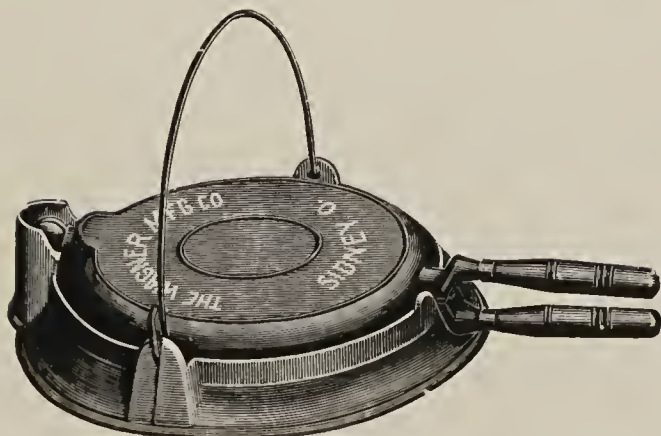


No.	Polished.	Nickel Plated.
6.....	\$ 84	\$1 68
7.....	90	1 80
8.....	1 00	2 00
9.....	1 30	2 60

Tea Kettles.

Pit or Flat Bottom.

No.	Plain.	Galvan-ized.	Plain Inside, Nickel Plated Outside.
7.....	\$0 95	\$1 40	\$2 10
8.....	1 05	1 60	2 30
9.....	1 15	1 80	2 50
No. 7, Nickel Plated, Galvanized Inside .....\$2 70			
No. 8, Nickel Plated, Galvanized Inside .....\$2 90			
No. 9, Nickel Plated, Galvanized Inside .....\$3 10			



Waffle Iron.

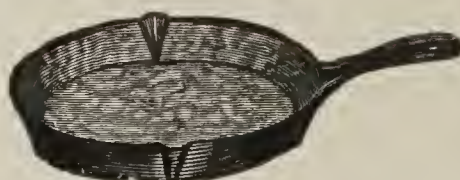
The most perfect ever invented. Provided with long wood handles. Bail and detachable hinge. Can be used on gasoline stoves.

No.	Per Doz.
7.....	\$14 00
8.....	16 00
9.....	18 00

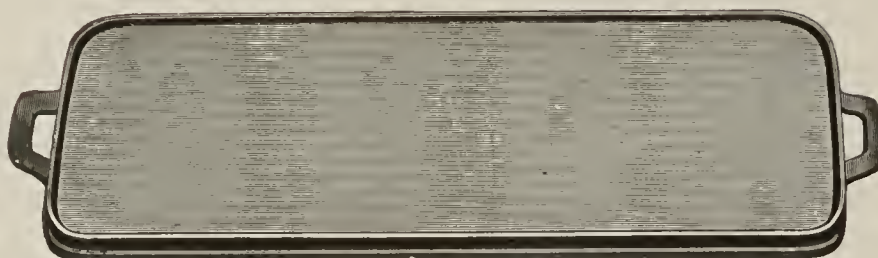
PRICE LIST OF POLISHED AND NICKELED HOLLOW WARE.

Regular Skillets.

No.	Polished.	Plated.
6.....	\$0 43	\$0 86
7.....	46	92
8.....	50	1 00
9.....	58	1 16
10.....	74	1 48
11.....	92	1 84
12.....	1 10	2 20

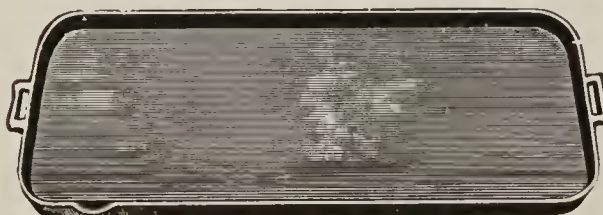


Long Griddles.



	No. 7.	No. 8.	No. 9.
Plain	\$0 60	\$0 72	\$0 90
Nickel Plated	1 80	2 00	2 20

Long Stove Griddle. Or Long Shallow Pan.



No.	No.
7.....\$0 68	8.....\$0 82



Flat Bottom Kettle.

No.	Polished.	Nickel Plated.
6.....	\$0 84	\$1 68
7.....	94	1 88
8.....	1 04	2 08
9.....	1 32	2 64

Sugar Kettles.

New Style.

With Bails.



No.	List Price.	Usual Rating.	Actual Capacity.
1.....	\$2 50	10 gals.	8 gals.
2.....	3 25	15 "	10½ "
3.....	3 80	20 "	15 "
4.....	4 50	22 "	18¼ "
5.....	5 00	25 "	21½ "
6.....	6 00	30 "	25½ "
7.....	7 00	35 "	29½ "

Painted Outside.



Round Griddles With Handles.

No.	No.
6.....\$0 32	8.....\$0 40
7.....36	9.....48

Peerless Iron Enamel.

Put up for Dealers' Use in 5lb. and 1lb. Cans.

Dries quickly. Ready for use. The best goods ever offered to the trade.



For use on stove pipes, grates, registers, fenders, railings, and for any purpose where a jet black, glossy surface is required.

10-oz. cans (with brush), packed 1 doz. in case.

Black Kid Paste.

Only Turpentine Polish on the market. This polish is water-proof and is specially adapted for use on Sample Stoves. It may be reduced with either benzine or gasoline.



5-lb. cans, packed 6, 12 and 24 in case.

1-lb. cans, packed 3 doz. in case.

Black Jack.

The Great Water Paste Stove Polish.

A beautiful jet black polish, manufactured especially for new and old stoves, Russia pipes, etc.

Mixed with water to the consistency of cream.

Put up in 12-ounce cans; retails at 10 cents per can.



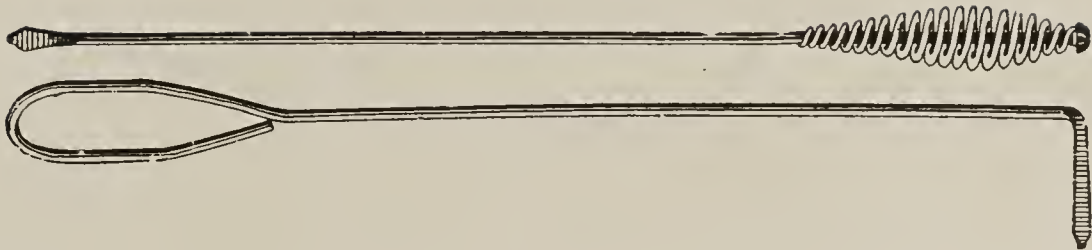
Black Eagle Stove Polish.

The best to secure brilliancy, durability, cheapness, and to save labor. Recommended to the stove trade as a perfectly reliable article.

Put up in 5-lb. tin cans, with full directions on each can.

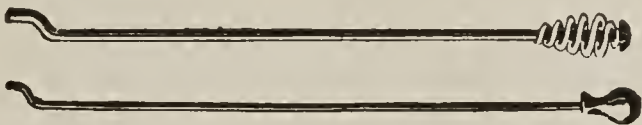
STOVE TRIMMINGS.

Pokers.



Straight Nickel Pokers.....	Per Dozen, \$1 00	Net
Bent “ “	“ 1 20	Net

Towel Rods.



5-16 × 16 inches.....	Per Dozen, \$0 60	Net
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MACHINERY DEPARTMENT.

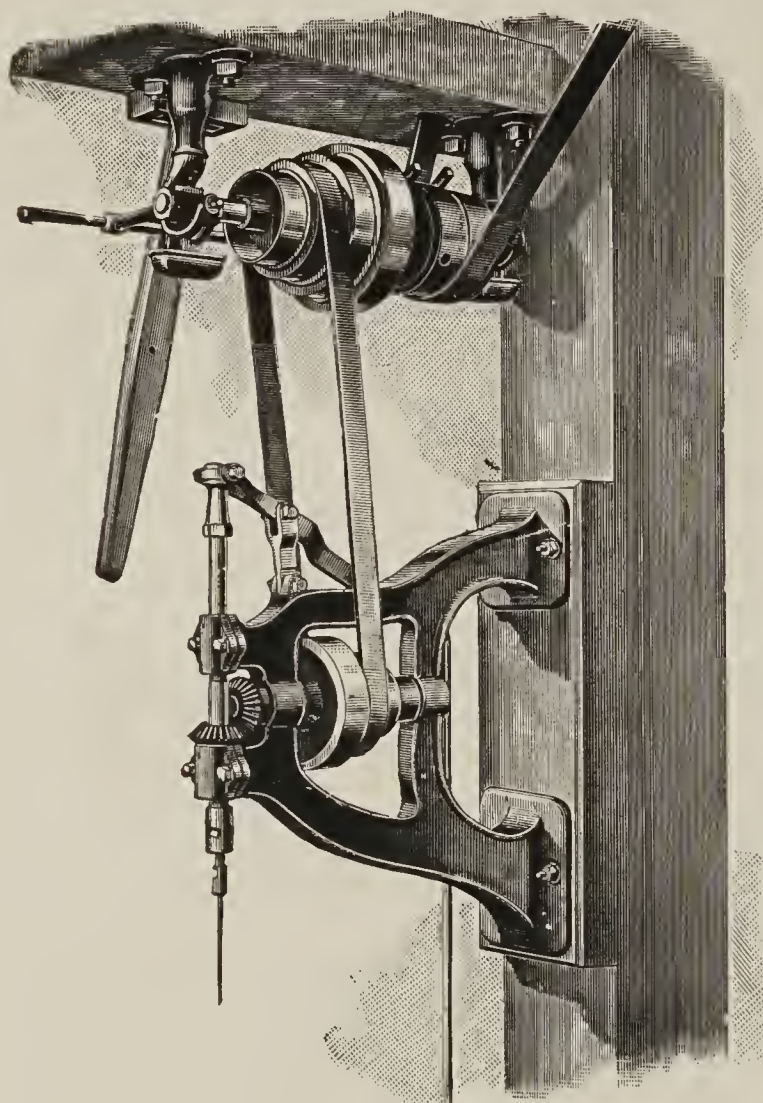
We have connected with our works a machine shop under the superintendence of a first-class machinist and are prepared to furnish :

- ROUND AND SQUARE CLEANING MILLS,
- FRAMES, MANDRELS AND
- COUNTER-SHAFTS FOR EMERY WHEELS,
- UPRIGHT AND HORIZONTAL DRILLS,
- CATCH CUTTERS, TAPS AND DIES,
- HANGERS, PULLEYS, SHAFTING AND ANY
- MACHINERY USED IN STOVE FOUNDRIES.

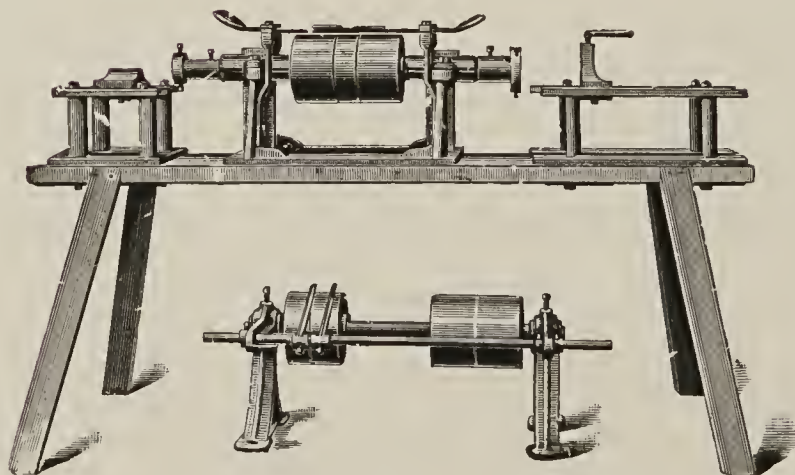
We also repair Engines, Mowers, Reapers, Lawn Mowers and all Agricultural Implements upon short notice. First-class work at moderate prices.

Our Foundry capacity is ample and we are ready to bid on outside castings. Write or call to see us.

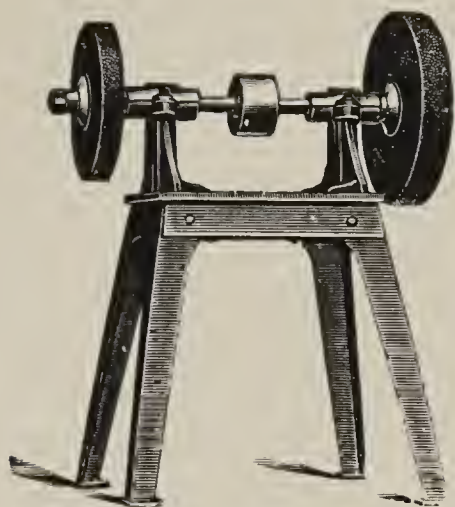
Upright Mounters' Drill.



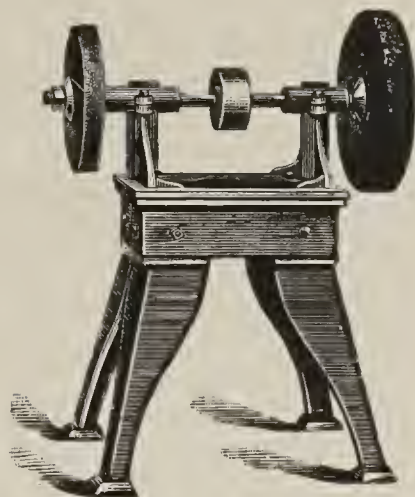
Rod and Nut Cutter.



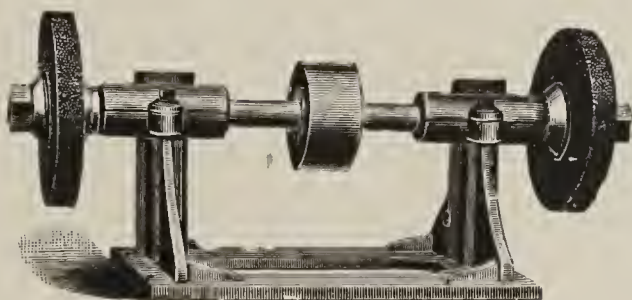
Prices Furnished on Application.



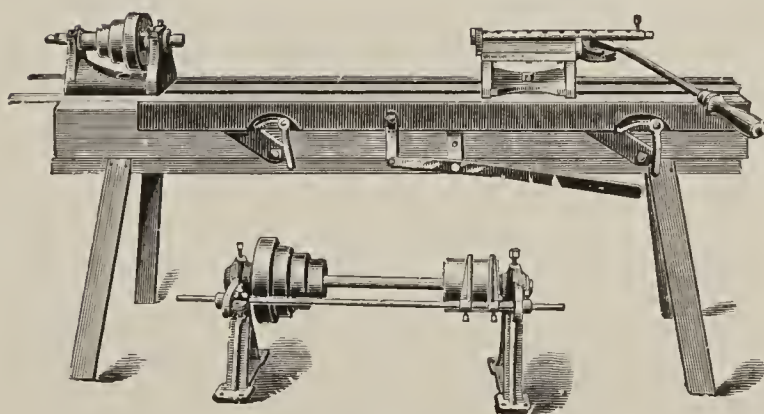
No. 1—Grinder.



No. 2—Grinder.



No. 3—Grinder.



Horizontal Drill.



Catch Cutter.

Prices Furnished on Application.

BUY FROM THE KEELEY STOVE COMPANY

Hot Air and Hot Water Combination Heaters.

Things to Remember About Furnace Heating.

Remember, your furnace is to heat the house, say from six to eight rooms. To do this with stoves would require as many stoves as half the number of rooms, or more. To operate these stoves in freezing weather would require no little attention and necessitate a heavy drain on your coal bin. Do not be unreasonable and expect the furnace to do the work of three or four stoves, comfortably heating your house from the hall to the last room in it, without having a share of your attention, and drawing from the coal bin the necessary material to make the house comfortable.

In order to radiate heat, the furnace must be raised to the proper temperature to do the work.

To raise the temperature of the furnace to that degree requires a clean fire; that means the removal of all dead matter from the fire pot, and a slow, bright fire on the grate.

Dead matter in the fire pot is of no service to the furnace, and that fire pot, from the grate up, which is filled with ashes, is useless as a radiator until it is freed from the accumulation of dead matter. Trouble caused by an accumulation of dead matter in your stove would at once cause you to remove the source of the difficulty. A furnace is a heater with increased capacity, and when the thermometer is down to the freezing point the furnace must be cleaned and fed to meet the requirements.

Give Your Furnace Plenty of Cold Air for Rapid Circulation.

The KEELEY STOVE COMPANY warrants their goods to do the work for which they were designed when local circumstances are not faulty, such as bad setting, imperfect chimneys, and very many imperfections in construction, not the fault of the stove or furnace builder.

Hot Air and Hot Water—Furnace Department.

6 Series.

23 Sizes.

The tinsmith or furnace man who proposes casing one of our furnaces must remember that from the top of the steel drums to the top of a flat cone there must be not less than twelve inches. To contract the warm-air pipe below the measurements we suggest is to do violence to your furnace and coal supply, and not reach the temperature you desire. The carpenter, builder and architect are not wholly faultless, and the furnace man is very often obliged to work after the work they have spoiled in the start, since one or both may have so constructed their work and created local defects which the furnace man cannot overcome without the loss of work for the one, the friendship of the other, perhaps both. The register is no less a factor. A ten-inch register is reduced by the face 33 per cent., hence care should be taken to have the register equal to the capacity of the pipe to which it is attached. The estimates placed upon capacity of our furnaces are very carefully calculated, and when the furnace has been properly arranged, can be relied upon with a reasonable degree of accuracy. To warm a house with a furnace, care and thought should be given in the laying of the foundation and construction of the division walls. The location of the pipes and suggestions as to the size of pipes are so very helpful with the construction of the wall that they should not be overlooked.

If possible, keep your risers out of the north or west walls. If you must lead in this direction see that your pipes are well covered with a good coating of asbestos the entire length. A small house with an unusual number of small rooms requires more labor and coal with a larger furnace to heat it than a larger one with less apartments. The tradesman and purchaser should not be parsimonious in these points and give the manufacturer, dealer and himself trouble. Every room and hall in a building should be connected with the furnace independently of the warm air supply of any other department of the building; that is to say, from the start to finish there should be but one register in any one pipe leaving the furnace. You cannot successfully at the same time heat two rooms off one pipe. The additional expense incurred in this form of construction is more than returned in the comfort experienced.

In heating a single audience room for school or church, to carry the heat from your furnace through a number of small pipes with the registers placed here and there in the floor, as against one large pipe off the top of your furnace, with a register of ample capacity, is to do violence to your furnace and coal supply. When one straight pipe is used a hot air damper between the top of the furnace and the register, with a door for an opening in the furnace casing for a hot air exit would be useful.

Practical Hints and Information.

Sizes of Registers and Pipes Used, According to the Size of Room to be Warmed.

First Floor Rooms, 10-inch Pipes, with 10×16 Registers.

First Floor Rooms, 10-inch Pipes, with 10×14 Registers.

First Floor Rooms, 9-inch Pipes, with 9×12 Registers.

Second Floor Rooms, $4 \times 10\frac{1}{2}$ Riser, with 8×12 Registers.

Second Floor Rooms, $4\frac{1}{2} \times 10\frac{1}{2}$ Riser, with 9×12 Registers.

Second Floor Rooms, 5×12 Riser, with 10×16 Registers.

Round pipes from the furnace to riser pipes leading to upper rooms should be 8, 9 and 10-inch diameter, according to the size of room to be warmed.

The estimates of the heating capacities of the COLUMBIAN PRINCE and CLIMAX furnaces are low, and when the furnace has been properly arranged, can be relied upon with safety. When heating school rooms, churches, stores, etc., and only one register is required and that directly over the furnace, you can safely count upon 15 per cent. additional capacity and under such circumstances use for the several sizes, not less than 20, 24 and 26-inch registers, and these should be without valves. When trenches are put under the furnace for a cold air supply see that it is of sufficient capacity to supply your furnace. It should be kept free from dust and dirt.

NO. 38—Two-story house. Not less than 9-inch pipes first floor. Not less than 8-inch pipes second floor.

NO. 42—Two-story house. 10-inch pipes first floor, 9-inch pipes second floor.

NO. 48—Two-story house. 10-inch pipes first floor, 9-inch pipes second floor.

The size of hot air pipes depends on size of rooms.

REPAIRS—To get the proper shaker or grate bars to repair the CLIMAX, PRINCE and NOS. 328, 332, 336 and 340 BANNER Furnaces, the order should clearly indicate whether the shaker bars of the grate protrude through the front of the furnace or whether it is necessary to pass the shaker through the front to fit it to the shaker bars. State if furnace bears the marks "Series A" or not. When ordering repairs we caution you to get correct name and number.

REGISTERS—The capacity of the registers should be equal to the hot air pipes to which they are attached. The measurements on page 145, if examined, will be helpful in the selection of the size of a register for a given size pipe.

Registers placed in the floor of the lower rooms (down stairs) are the most practical and beneficial as against side wall or partitions.

Capacity of Pipes and Registers.

Round Registers.		Square Registers.		Round Pipes.	
Size.	Sq. Inch Capacity.	Size.	Sq. Inch Capacity.	Size.	Sq. Inch Capacity.
8-inch.....	33	8 × 10-inch.....	53	7-inch.....	38
9-inch.....	42	8 × 12-inch.....	64	8-inch.....	50
10-inch.....	52	10 × 12-inch.....	80	10-inch.....	78
12-inch.....	75	10 × 14-inch.....	93	12-inch.....	113
14-inch.....	103	12 × 15-inch.....	120	14-inch.....	154
18-inch.....	169	12 × 19-inch.....	152	16-inch.....	200
24-inch.....	300	12 × 24-inch.....	190	18-inch.....	254
30-inch.....	417	14 × 22-inch.....	205	20-inch.....	314
36-inch.....	679	20 × 26-inch.....	347	22-inch.....	380
				24-inch.....	452
				26-inch.....	530
				28-inch.....	616
				30-inch.....	700

To illustrate—An 8-inch pipe should have a 10-inch register and so on.

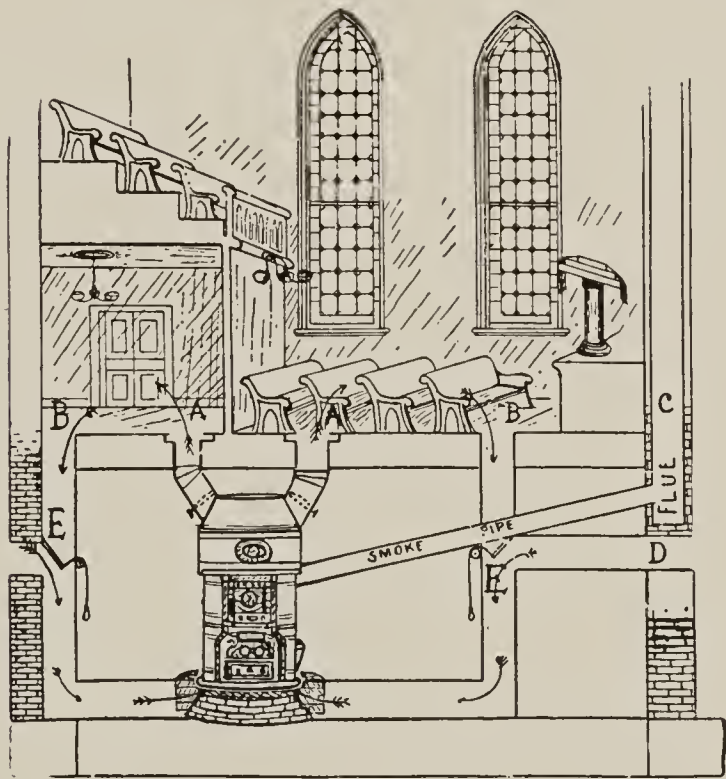


Figure 1.

We seldom find a place for the use of 7-inch pipes in setting a furnace and recommend and insist on the use of large pipes. Small pipes and registers placed in partitions and walls is an unwise form of construction, which, with an inadequate supply of cold air, warms the cellar, empties the coal bin and shortens the life of the furnace; hence we repeat, and with the use of line upon line, we appeal to architects, builders, tinsmiths and hardware men to so construct their work that the furnaces when installed will not be compelled to work against local hindrances.

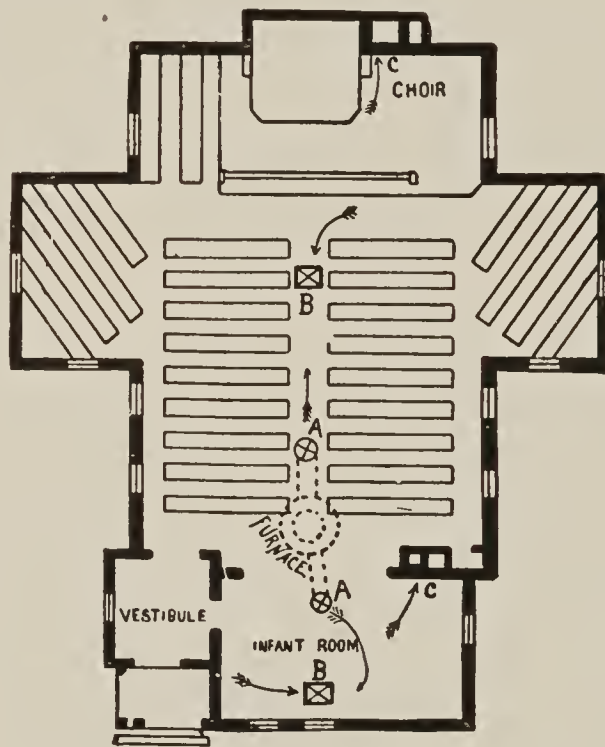


Figure 3.

In addition to what we have written in the shape of advice in the setting and operating of a furnace, we print four illustrations for the study and consideration of the furnace man. These illustrations will be eminently helpful and will meet almost any and every emergency that may arise in furnace work. Figures Nos. 1 and No. 3 represent a church heated with one of our furnaces and illustrates the plan and device of drawing the cold air from two places in the church, as well as two places from the outside. The channels of cold air supply from inside and outside cannot be operated at one and the same time. When the cold air is taken from the church, the channels communicating with the outside must be closed, and vice versa.

Last but not least is the importance of having a good chimney with a strong draft. Before attaching the smoke pipe to the furnace and chimney the furnace man should thoroughly test the chimney to see that it is unobstructed from top to bottom and the draft good. If there be any openings in the chimney, other than the one used for the furnace connection, see that they are closed with neat fitting pipe collars, then with good mortar close the opening or space, if any, between the pipe and collar in the chimney.

The value of two small furnaces of equal capacity (or nearly so) over one large one should not be overlooked. The difference between extreme cold weather and days when very little fire is needed, argue in favor of the two-furnace plan. Many are the times in which one small furnace will heat a large church or room, saving coal and leaving you supplied with a reserved force in the second furnace for any attacking storms or blizzards. Any additional expense is worked off in time in the durability of the furnaces and you have secured for yourself the comfort desired. Hence, use two small furnaces instead of one having the capacity of both. It is better in large buildings. This form of construction will save a system of cuttle-fish piping, waste in radiation, friction, and carry the warm air quickly and surely to where it is needed. NEVER FAILS.

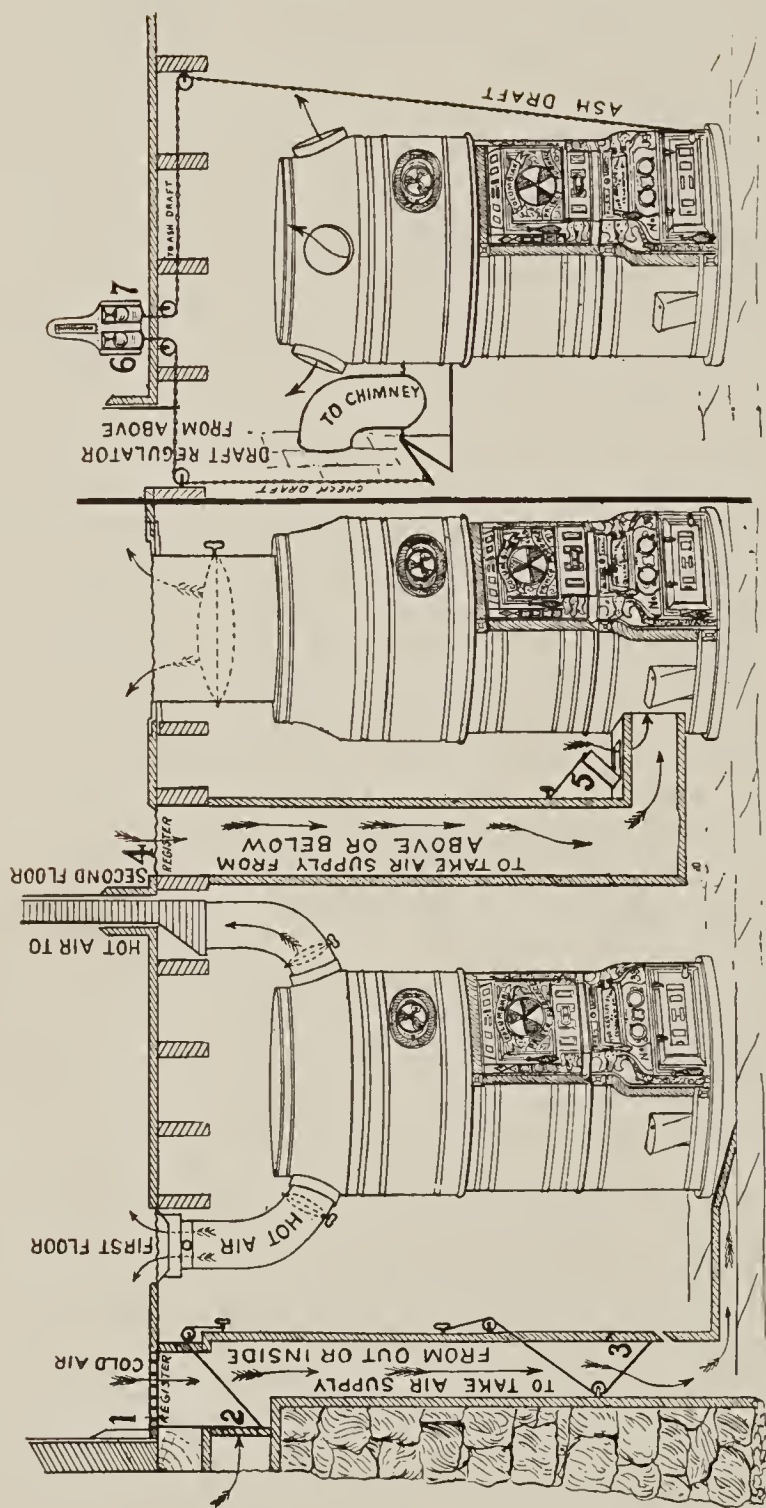
Your furnace is designed to heat a given amount of space and the more rapidly you can throw the volume of hot air into the room to be heated the quicker you accomplish the result. Long pipes, angles and bends are encumbrances causing friction, serve as radiators in cellars, weaken the strength and force power of the furnace and hence should be avoided. The one-pipe plan, where it is admissible, is equal to 80 per cent. of the furnace against its full capacity, if you were to run a number of pipes. Our illustration, Figure 1, will help to make our ideas clear. The tapping of a cone or deck of a furnace should be carefully done. Do not take one pipe off the deck and the others off the side or cone. When you pipe for a dwelling which has a number of rooms, a church or public building, which must be heated by the furnace through a given number of pipes, tap all from the side of the cone or all from the deck on top. Short hot air pipes with all the elevation attainable add to the efficiency of your construction and the power of the furnace.

Builders should place the inlets for the risers as close to the cellar joists as possible, so as to assist in the elevation of the pipes. Let your risers be of ample size; 5×10 is very much more serviceable than 4×12 . To heat two rooms off one riser or pipe (one above the other) is not a good form of construction; that is, if you propose to heat them all at one and the same time. In the event of heating two rooms off one riser, a damper should be securely placed in the riser above the lower register, and the part of riser below the damper should be larger than that above.

The question of location, sizes of risers, registers, etc., is seldom referred to the furnace man. The furnace builder must take the local conditions as he finds them, and in the event of failure, carry or pocket the entire loss, while his work may be wholly faultless.

Our furnaces are absolutely gas tight; but no furnace is gas tight with the check draft and feed door open at one and the same time.

The furnace man should exercise care and thought in setting registers. In the side walls the opening between the tin hot-air pipes and the opening in the walls should be closed with good mortar and fire proof material, which will form a solid wall around the tin frame to receive the register. The improper construction and location of heat pipes and registers means the maker of the furnace has insurmountable difficulties to meet. Hence too much care cannot be given to the details of work from start to finish.



By a careful study and consideration of the important points set forth in figures and words, any ordinary person can successfully work out the plan suggested.

The Columbian Climax Series “ B ” and Columbian Prince Series “ B ” Furnaces.

These furnaces differ only that the CLIMAX has steel radiators. The PRINCE all cast iron.

Buy a furnace large enough to do the work with ease. A small furnace can be overtaxed, run on a high degree of combustion, etc. In this way you wear out the life of the furnace, consume a larger amount of coal, lack the comfort needed, all because your furnace is too small.

CONSTRUCTION—The CLIMAX Furnace is carefully and thoroughly constructed with the end in view that dealers and consumers may be able to repair the furnace and supply the parts needed when they have worn their natural life. The entire front can be removed from the furnace without disturbing the casing. This gives free access to the ash pit and enables you to remove the guide over cogs on grate bar; then throw back to the right the latch on the right hand side of the front grate carrier. The Triplex Grate and center bar may then be removed and a new grate with fixtures replaced with ease; put the front in position and you have completed the work without disturbing the hot-air pipes or cellar connection.

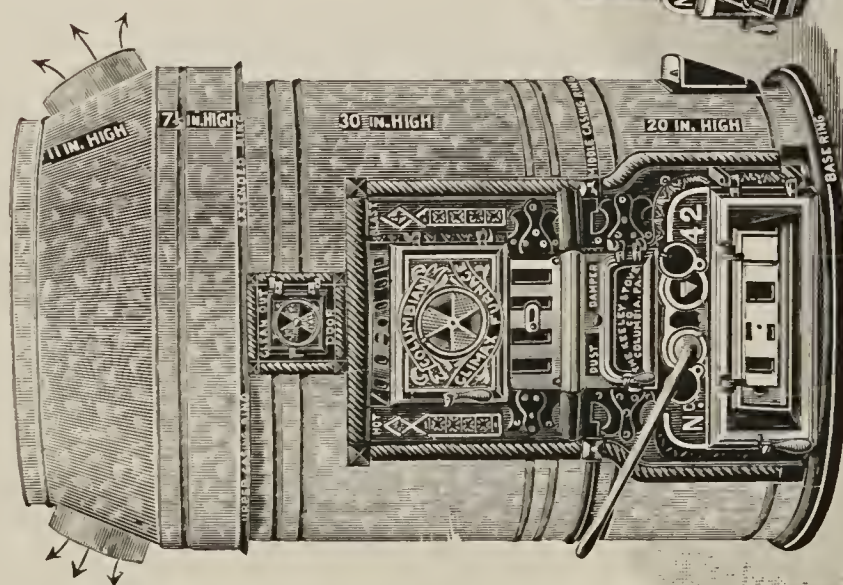
Every square inch of radiating surface of this furnace is touched by the combustion and fire travel, from the grate surface to the exit, hence the greatest amount of utility is realized and the utmost benefit derived from the fuel consumed.

TO CLEAN THE RADIATORS—This is easily done by inserting a scraper in the elbow at the rear and clean out door in front.

CYLINDER RADIATION—This is not obstructed, as is the case in many furnaces, but the heat can rise rapidly to the hot air exit through the outward passage along the outer radiator, or between the inner and middle radiator; that is, through one or both channels, so that with a plentiful supply of coal there may be had the most efficient service and rapid movement of warm air currents obtainable.

HOT BLAST—This is applied to assist combustion. The oxygen to create the hot blast is admitted through the register above the feed door into a hollow ring, from which the oxygen is admitted through small openings into the combustion chamber, where it comes in contact with and assists in igniting any unburned carbon which may arise. In this process we have perfect combustion.

COLUMBIAN CLIMAX SERIES "B" FURNACES. STEEL RADIATORS.



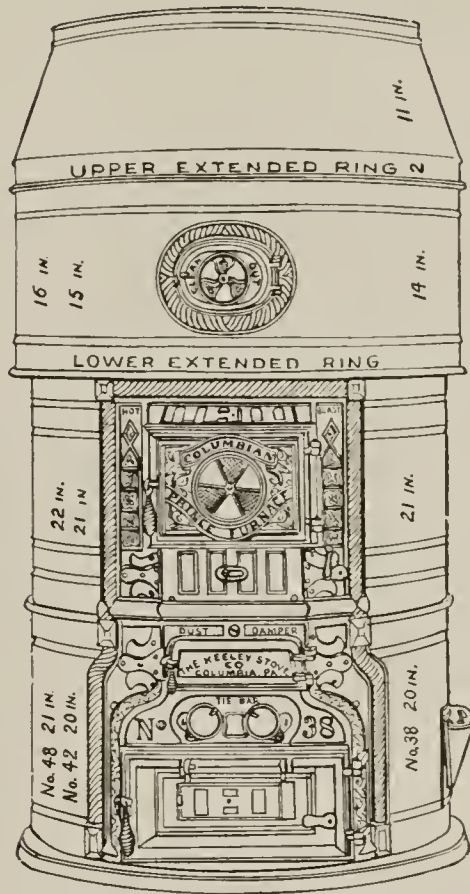
Made in Three Sizes.

Columbian Climax Furnace cased with two casing bodies and cone top.

The Climax and Prince line of furnaces improved 1907 (Series B) by making the lower cylinder in two parts.

COLUMBIAN PRINCE SERIES "B" FURNACE. FINISHED.

Cast Radiator All Cast.



Cased With Three Casing Bodies and Cone Top.

This furnace is complete with heavy cast iron cylinder and cast radiator. A cast iron furnace throughout.

The radiator is constructed with a direct and indirect draft; governing damper in the radiator operated from the left hand side of the furnace in front.

The direct straight draft is turned on by pulling the damper out.

Where draft of the chimney is strong the furnace should be operated all the time with the damper handle pushed in, except when kindling the fire; this gives the user the full benefit of the combustion and fire travel and the gases into the chimney at as low a temperature as is possible to secure good and efficient work.

This Furnace is Warranted Heavy, Durable and Substantial.

We have carefully marked and located the Extension Rings for the Prince Furnace. The Top Casing Ring is the UPPER EXTENSION RING; the next one below, the LOWER EXTENSION RING, the one still lower, which bolts to the top of the lower front, is MIDDLE CASING RING in three parts—right, left and back. The Bottom Casing Ring is also in three parts.

COLUMBIAN PRINCE SERIES "B" FURNACE.

For Height of Casings See Illustration, Page 151. Price List on Page 153.



Cut Illustrating Cast Radiator With Lower Casing Body.

No. 38.

	Height.	Length Less Lap.
Bottom Galvanized Iron Casing.....	20 inches	94 $\frac{1}{4}$ inches
Middle Galvanized Iron Casing.....	21 inches	118 $\frac{1}{2}$ inches
Top Section Galvanized Iron Casing under Cone....	14 inches	128 inches
Top Casing Straight Ring, 2 inches, all sizes.		
Top Casing Cone Ring, 2 inches, all sizes.		

No. 42.

	Height.	Length Less Lap.
Bottom Galvanized Iron Casing.....	20 inches	103 $\frac{1}{2}$ inches
Middle Galvanized Iron Casing.....	22 inches	131 $\frac{1}{2}$ inches
Top Galvanized Iron Casing under Cone.....	15 inches	140 inches

No. 48.

	Height.	Length Less Lap.
Bottom Galvanized Iron Casing.....	21 inches	117 $\frac{3}{4}$ inches
Middle Galvanized Iron Casing.....	22 inches	150 $\frac{1}{4}$ inches
Top Galvanized Iron Casing under Cone.....	16 inches	159 $\frac{1}{2}$ inches

Foundation and Cold Air Box illustrated on pages 174 and 175.

Estimated Capacities of Columbia Climax and Prince.

No.	Church Building or One Room.	Church Pipes for Horses, etc.	Cold Air Supply.
38.....	20,000 to 30,000	17,000 to 26,000	250 sq. in.
42.....	32,000 to 50,000	28,000 to 43,000	350 sq. in.
48.....	47,000 to 68,000	40,000 to 58,000	450 sq. in.

The Climax and Prince line of furnaces improved 1907 (Series B) by making the lower cylinder in two parts.

PRICE LIST OF COLUMBIAN CLIMAX “ B ” AND COLUMBIAN PRINCE “ B ” FURNACES.

Revised Price List of Columbian Climax and Columbian Prince Furnaces.
Columbian Climax Steel Radiator. Columbian Prince Cast Radiator.

Size.	Mounted Castings and Drums.	Finished Galvanized Iron.
38.....	\$106 40	\$131 60
42.....	131 60	159 60
48.....	175 00	235 20

	No. 38	No. 42	No. 48
Diameter of cylinder at top.....	20 inches	23 inches	27 inches
Diameter of cylinder at bottom.....	16 inches	19 inches	22 inches
Depth of cylinder	14 inches	15 inches	16 inches
Diameter of lower and middle casing.....	38 inches	42 inches	48 inches
Diameter of top casing	40 inches	44 inches	50 inches
Height of furnace, finished.....	68 inches	68 inches	76 inches
Weight of furnace (casting only).....	875 lbs.	1075 lbs.	1450 lbs.

The Climax and Prince line of furnaces improved 1907 (Series B) by making the lower cylinder into two parts.

Height of Casing and Measurements for Columbian Climax Furnace.

No.	Bottom Casing.	Middle Casing.	Cone Ring.	Cone Top.
38.....	20 × 94½	30 × 118½	7 × 124½	11
42.....	20 × 103½	32 × 131½	7 × 137½	11
48.....	21 × 117¾	32 × 150¼	7 × 156½	11

Chain Pulleys, Thermometer, Cold Air Screens, Extra Charge, and Sent Only on Special Order.

Thermometer	net, \$0 25
Chain and pulleys	net, 35
Cold air screens (each)	net, 75

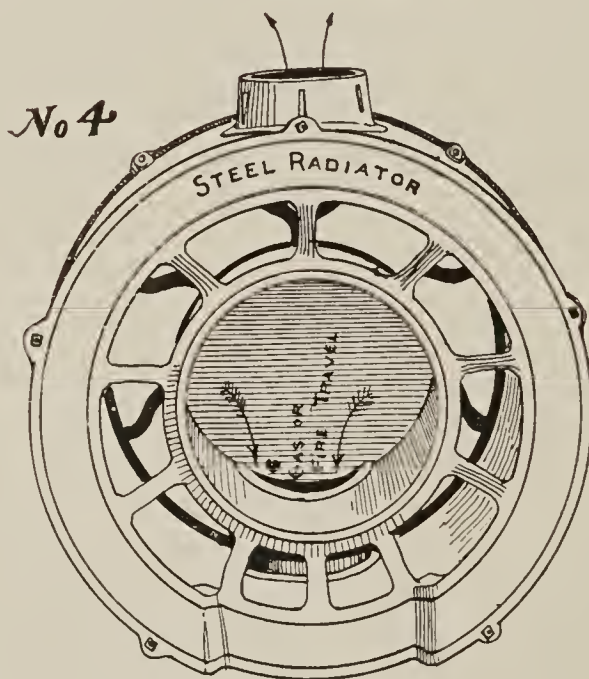
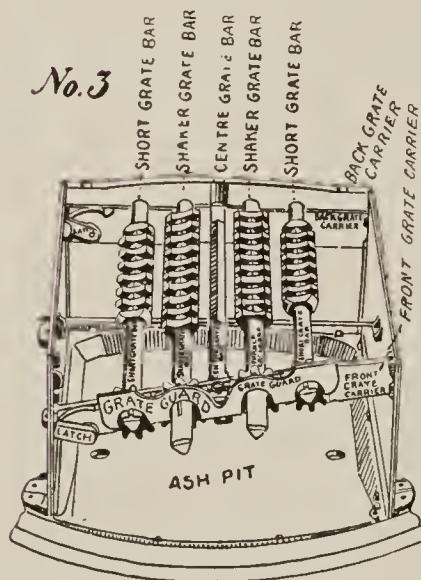
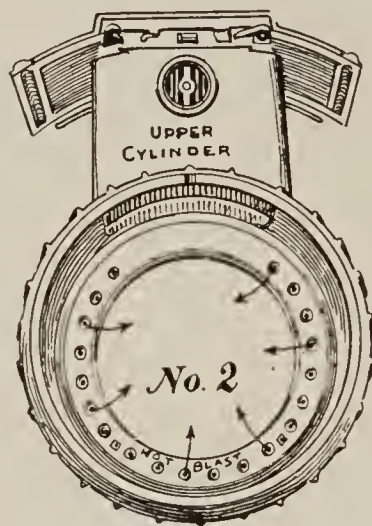
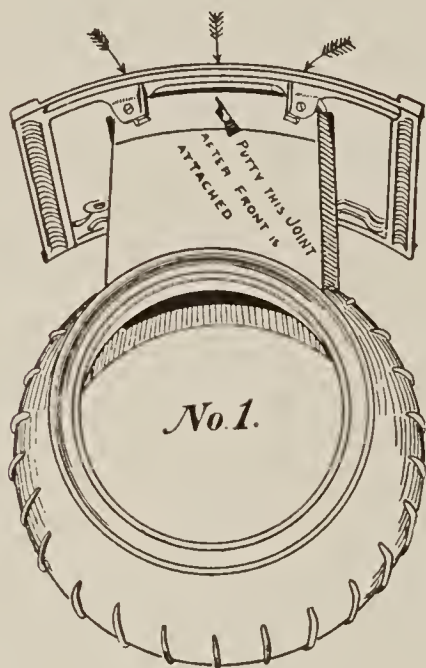
From two to three screens should be used when screens are needed. Give your furnace Plenty of cold air. Thermometer, chain and pulleys do not go with furnace as a rule. When wanted they must be ordered, and in that case the above charges are made.

Size of Pipe Collar on Elbow.

No.	
38 Columbian Climax, 7-inch pipe.	Columbian Prince, 8-inch pipe.
42 Columbian Climax, 7-inch pipe.	Columbian Prince, 8-inch pipe.
48 Columbian Climax, 8-inch pipe.	Columbian Prince, 8-inch pipe.

Detailed Parts of the Columbian Climax "B" Furnace.

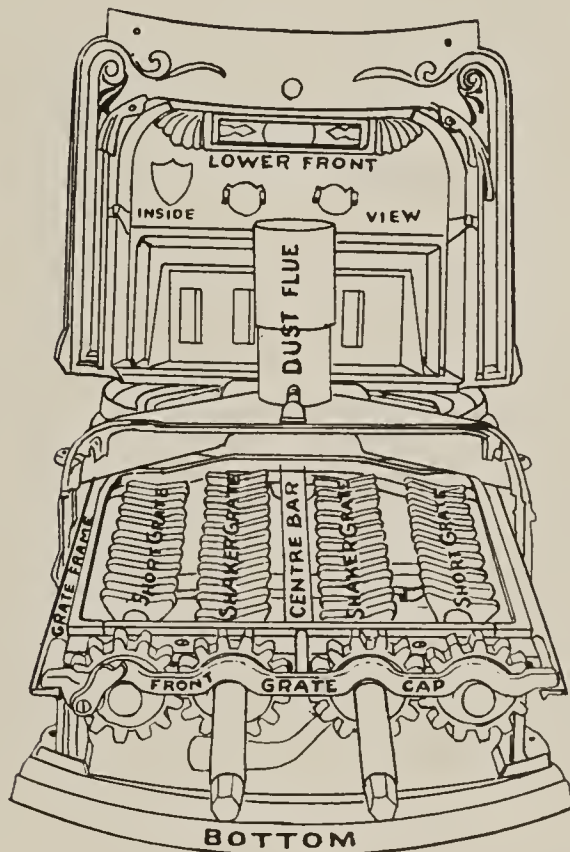
Mounted Furnaces Illustrated on Pages 150, 151, 152.



No. 1 illustrates the upper cylinder and neck with inside casing guide and upper front attached ready to place in position on top of lower fire pot, as shown on page 150, right-hand cut. Underneath the plate marked "Putty the joints after front is attached," is the hot-blast flue, the air entering as indicated by the curved arrows, the air is warmed by the travel through this flue, shown and completed in Figure 2, mixes with the rising gases which are ignited to complete the combustion. We use Figure 2 to show the cylinder inverted (looking into it from the bottom) so that the dealer may understand the construction and purpose of our hot-air blast. No. 3 shows the grate and ash-pit construction. Removing the lower front from the furnace, as illustrated by middle cut on page 150, you get the ash-pit view as described in Figure 3, then remove grate guard in front of cogs, raise the latch on right end of front grate guard and you can drop the grate as indicated in the cut to remove and apply with ease any and all of the grate bars. This grate is the most durable and lasting made, and if the furnace man keeps the ash-pit clean the life of the grate will be satisfactory. No. 4 illustrates the steel radiator viewed from the bottom, showing the fire travel from the extreme top point to the front or outer radiator, traveling both ways, round the radiator to the exit.

COLUMBIAN BANNER FURNACE. SERIES A.

Nos. 328, 332, 336, 340 and 344.

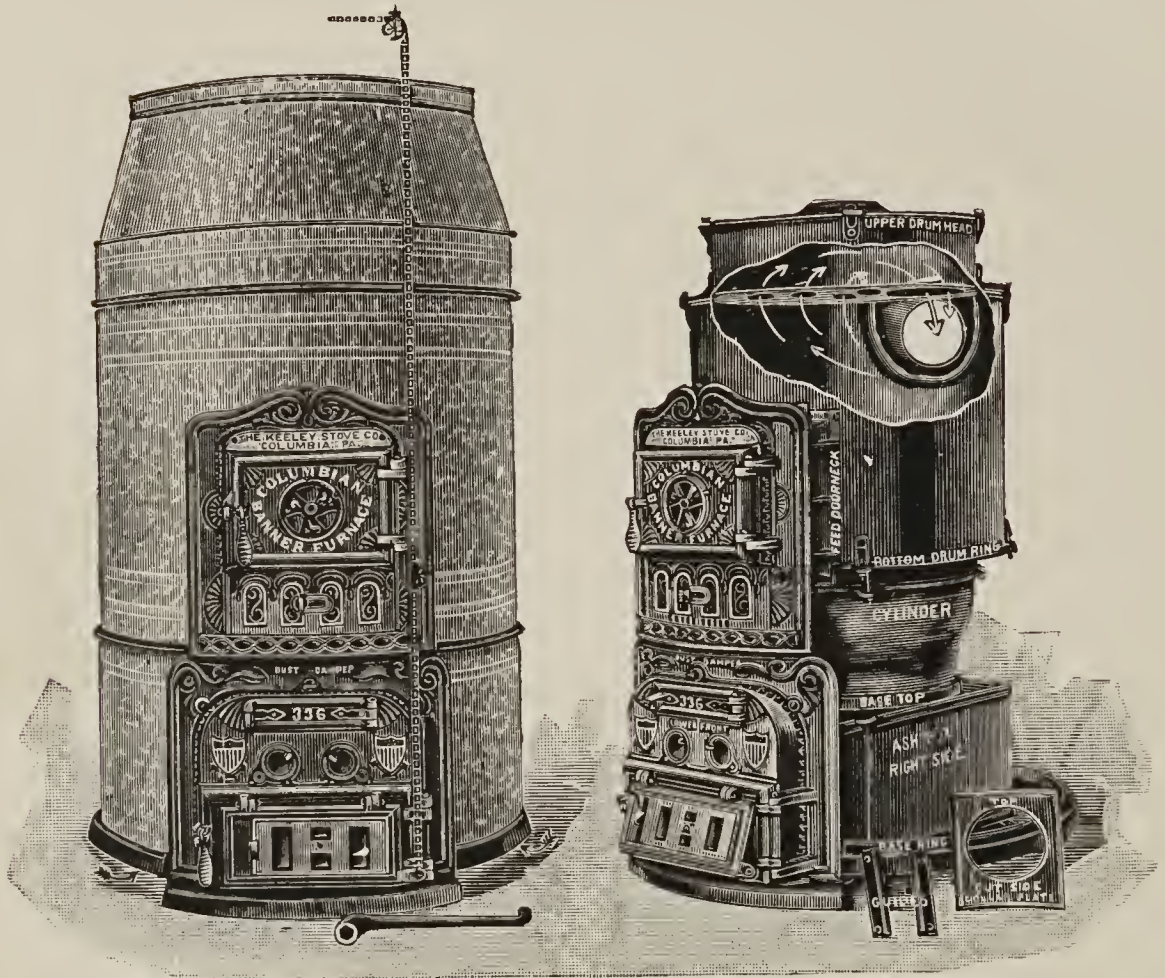


REPAIRING—The above cut illustrates the complete grate drawn about one-half through the front of the ash pit. To remove the grate remove the bolts in the upper front at feed door and the two bolts in lower front, this will enable you to remove both fronts and clear the way after lifting the latch on left-hand side of grate rest, to draw it from the ash-pit, and replace any defective part for repairs. Use the names given in the above illustrated cut when ordering similar repairs.

This furnace was first made applying shaker to grate bars through lower front. It is now made under additional name, "Series A," bringing shaker grate bar through front, applying shaker outside. Great care should be used when ordering grates or shaker, to clearly define the application needed.

Read and communicate all the printed matter on your furnace.

COLUMBIAN BANNER FURNACE.



Pipe Collars for Bituminous Coal, Nos. 328, 332, 7-inch.
 Pipe Collars for Bituminous Coal, Nos. 336, 340, 344, 8-inch.
 Pipe Collars for Anthracite Coal, Nos. 328, 332, 336, 6-inch.
 Pipe Collars for Anthracite Coal, Nos. 340, 344, 7-inch.

When ordering Furnaces mention kind of coal to be used. See page 157 for list price of Radiators and Cased Furnaces, showing Casting, Drums and Finished Furnace. Made in Five Sizes with Triplex Grate. The names in the cut are intended to help the dealer name and locate the parts of the furnace in detail, so that in ordering, his wants may be clearly known to the manufacturer.

Fire Pot Measurements.

No.	Top.	Bottom.	Depth.
328 equals 28-inch casing.....	17½	12	12
332 equals 32-inch casing.....	21½	13	13½
336 equals 36-inch casing.....	24	16	13¾
340 equals 40-inch casing.....	27	18½	13¾
344 equals 44-inch casing.....	29	21½	14

HEATING CHURCHES AND LARGE ROOMS—This can be done very much more economically with two furnaces, which may not exceed the cost of one large one.

This is the Leading Furnace. Never Fails.

COLUMBIAN BANNER FURNACE.

Cuts and Illustrations on Page 156.

No.	List Price.
328, 28-inch Casing, Finished in Galvanized Iron.....	\$63 00
328, Castings and Steel Drums Mounted	44 80
332, 32-inch Casing, Finished in Galvanized Iron.....	76 30
332, Castings and Steel Drums Mounted	56 00
336, 36-inch Casing, Finished in Galvanized Iron	93 10
336, Castings and Steel Drums Mounted	70 00
340, 40-inch Casing, Finished in Galvanized Iron	112 00
340, Castings and Steel Drums Mounted	86 80
344, 44-inch Casing, Finished in Galvanized Iron	133 00
344, Castings and Drums Mounted	103 60

Measurements of Steel Drums for Columbian Banner.

No. 328.

	Height.	Length	Less Lap.
Bottom Galvanized Iron Casing	14		72
Middle Galvanized Iron Casing	26		87 $\frac{1}{4}$
Top Galvanized Iron Casing	5		87 $\frac{1}{4}$

Steel Drums.

Large Drum	20	62 $\frac{1}{2}$
Top Drum	6	49 $\frac{3}{4}$

No. 332.

Bottom Galvanized Iron Casing	15	82
Middle Galvanized Iron Casing	28	99 $\frac{1}{2}$
Top Galvanized Iron Casing	5	99 $\frac{1}{2}$

Steel Drums.

Large Drum	22	75
Top Drum	6	62

No. 336.

Bottom Galvanized Iron Casing	15 $\frac{3}{4}$	91
Middle Galvanized Iron Casing	28	112
Top Galvanized Iron Casing	5	112

Steel Drums.

Large Drum	22	82 $\frac{1}{2}$
Top Drum	6	70 $\frac{1}{2}$

No. 340.

Bottom Galvanized Iron Casing	18	101
Middle Galvanized Iron Casing	28	125
Top Galvanized Iron Casing	5	125

Steel Drums.

Large Drum	22	93 $\frac{1}{2}$
Top Drum	6	81 $\frac{3}{4}$

No. 344.

Bottom Galvanized Iron Casing	24	109 $\frac{1}{2}$
Middle Galvanized Iron Casing	28	137
Top Galvanized Iron Casing	5	137

Steel Drums.

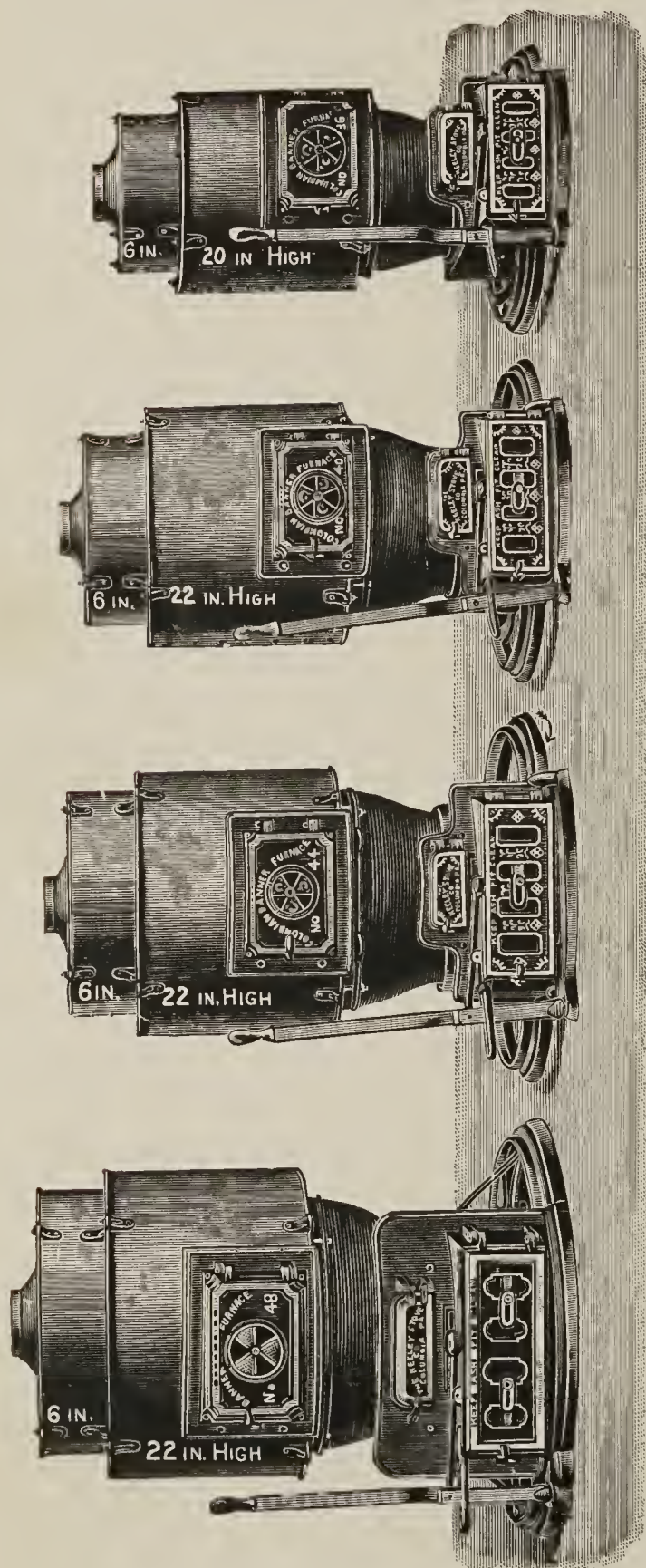
Large Drum	28	105 $\frac{1}{2}$
Top Drum	6	

Chain Pulleys, Thermometer, Cold Air Screen and Vapor Pans, extra charge, and sent only on special order.

Chain Pulleys, Thermometer and Frame, \$0.60 net. Cold Air Screens (each), \$0.75 net. Vapor Pan and Frame, \$0.60 net.

COLUMBIAN BANNER FURNACES.

Five Sizes. Skeleton View. In All Cases Use Egg Coal.

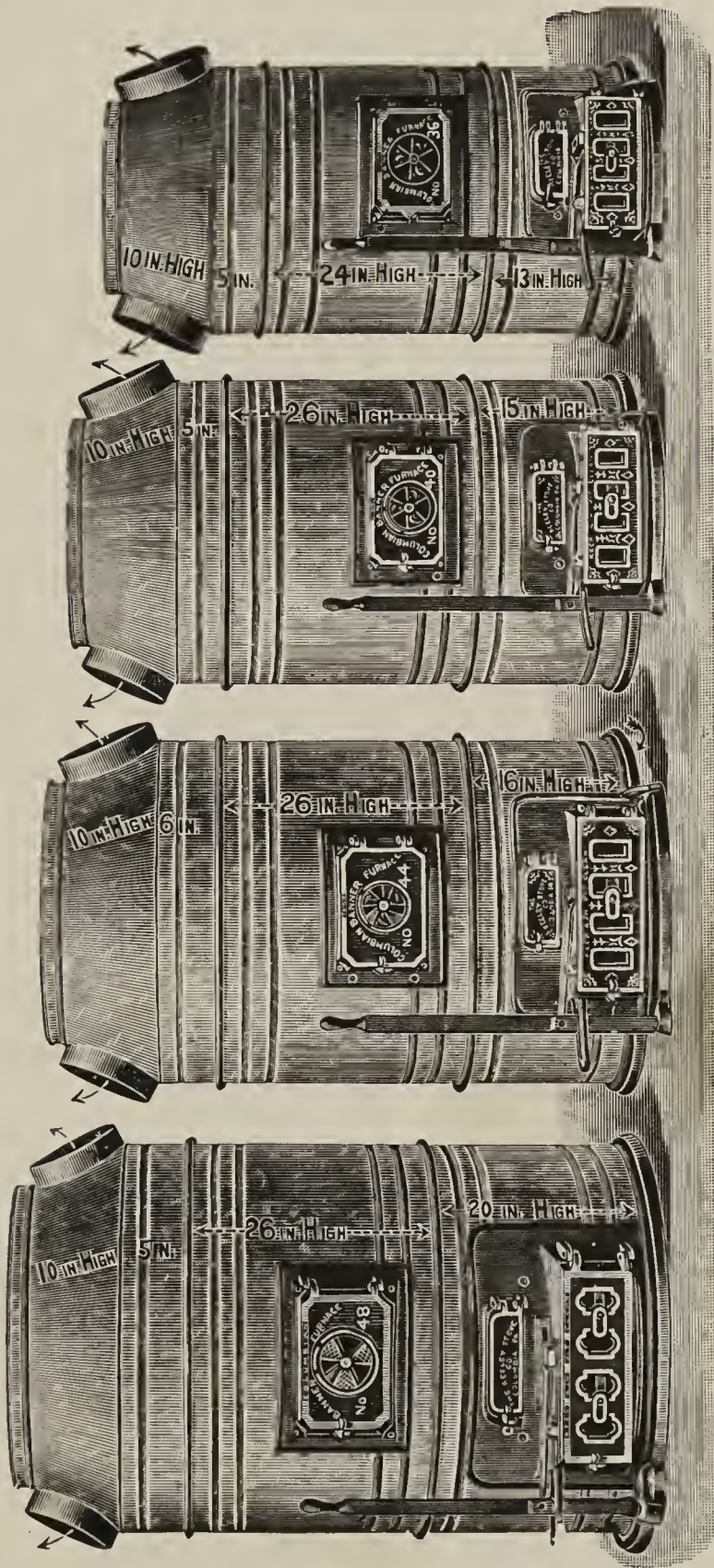


Size of Fire Pot.

No.	Capacity when Divided into a Number of Rooms.	Capacity when used for Churches and Public Halls.	With North or West Cold-Air Supply use Pipe not less than	Depth, 10 inches
Size 36	5,000 cubic feet	6,000 cubic feet	12 x 12 inches or equal	Depth, 11 inches
Size 40	8,000 cubic feet	10,000 cubic feet	12 x 14 inches or equal	Depth, 11 inches
Size 44	10,000 cubic feet	12,000 cubic feet	12 x 16 inches or equal	Depth, 11 inches
Size 48	16,000 cubic feet	20,000 cubic feet	12 x 18 inches or equal	Depth, 11 inches
Size 52	22,000 cubic feet	26,000 cubic feet	14 x 20 inches or equal	Depth, 12 inches

COLUMBIAN BANNER FURNACE.

Cased. Made in Five Sizes.



Nos. 48 and 52.

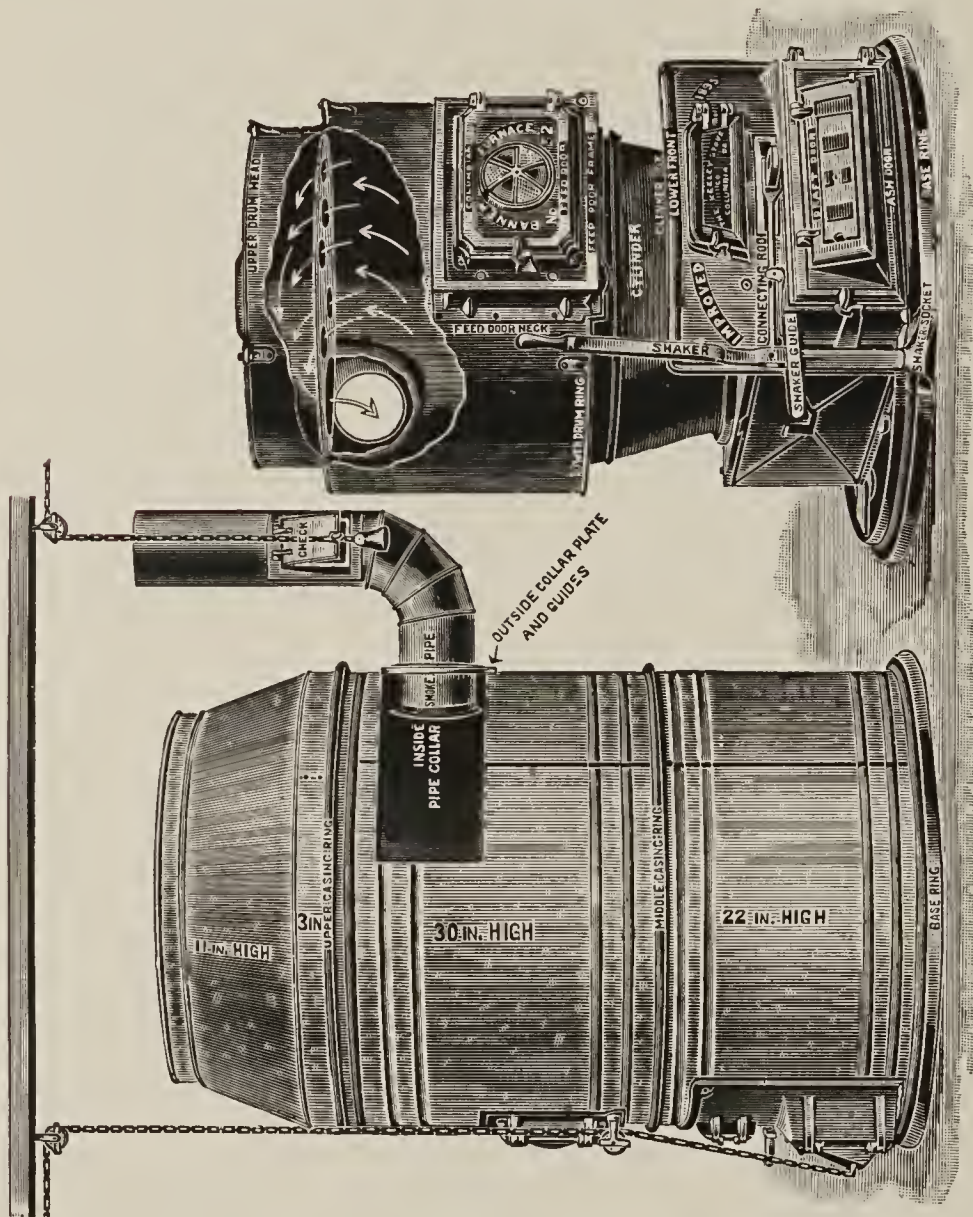
DIRECTIONS FOR SETTING UP FURNACE—We would recommend to the hardware man, tinsmith, or stove dealer, when setting up the furnace on ground or board floor, that he use one layer of brick for foundation. Be sure that your foundation is level and neatly made. See that the feed-door frame, when bolted to the casing, is well puttied and every joint is gas-tight. Before making the stove pipe attachment, we advise the dealer to examine the chimney, see that it is clean and draft good, as it may save trouble after the work is done. Before firing see that the grate has not been lifted from its bearings in transit.

COLUMBIAN BANNER FURNACE.

With Centre-Draw Grate.

Made in Five Sizes.

Check Damper included in List Price.



Size Pipe Collars for Bituminous Coal, Nos. 36 and 40—7 in.
 Size Pipe Collars for Anthracite Coal, Nos. 44, 48 and 52—8 in.
 Size Pipe Collars for Anthracite Coal, Nos. 36, 40 and 44—6 in.
 Size Pipe Collars for Anthracite Coal, Nos. 48 and 52—7 in.

Chain, Pulleys, Thermometer, Cold-Air Screens and Vapor Pans, extra charge, and sent only on special order. Architects, builders and contractors should examine this furnace, as we can assure them they cannot equal it for the money anywhere else. Our reputation for making honest goods cannot be questioned, and this furnace is a production of utility and merit. The COLUMBIAN BANNER FURNACE is supplied with what we call a combination Swing and Drop-Ash Door, with a check draft damper which is riveted to the smoke pipe and connected to the drop ash-pit door with chain and pulleys, as is shown in cut. This enables the housewife to control the draft from the room above. These articles are charged additional. Please get numbers and articles named clearly in the make-up of your order. Numbers are significant, names mean something, hence make up your order with care. When ordering repairs let the "Patent" and "Improved" date be mentioned. Made with Centre-Draw Grate; no other can be used in this series.

Specify the kind of coal you use when ordering Furnaces. The Old Reliable Line.

Columbian Banner Furnace.

Kindle your fire with and use good furnace coal. Remember that the cylinder of a furnace, either in brick or iron, for soft or hard coal, is of sufficient depth and capacity to hold fire over night and through the day with reasonable attention. Never, and that is in no case, fill the cylinder beyond its capacity. The bottom drum ring is not a grate, and hence the cylinder should never be filled so that the coals will spread and burn on the top of the ring or against the hot air tubes.

Good combustion and a strong heat require a clean fire, and this can be had with our Centre-Draw Grate and the use of a poker through the clinker door, and for this reason we say, if you want your furnace to heat well, work well and wear well, keep a clean fire and the coals below the bottom drum ring. Never let the ashes gather in the ash-pit so as to endanger the life or action of your grate. Keep a clean ash-pit. The following is list price :

No.	List.
36. 26-inch Casing, finished in Galvanized Iron.....	\$56 70
36. Castings and Steel Drums mounted.....	38 50
40. 30-inch Casing, finished in Galvanized Iron.....	65 80
40. Castings and Steel Drums mounted.....	46 55
44. 34-inch Casing, finished in Galvanized Iron.....	83 30
44. Castings and Steel Drums mounted.....	61 60
48. 38-inch Casing, finished in Galvanized Iron.....	100 10
48. Castings and Steel Drums mounted.....	75 60
52. 42-inch Casing, finished in Galvanized Iron.....	133 70
52. Castings and Steel Drums mounted.....	105 70
Vapor Pan and Frame.....	net, 75
Chain, Pulleys, Thermometer and Frame.....	net, 60
Cold Air Screens, each.....	net, 75

Columbian Banner Furnaces.

The measurements given below are to aid the dealer who mounts the steel drums and cases the furnace. We do not hold ourselves responsible for errors made in the construction of steel drums outside our factory.

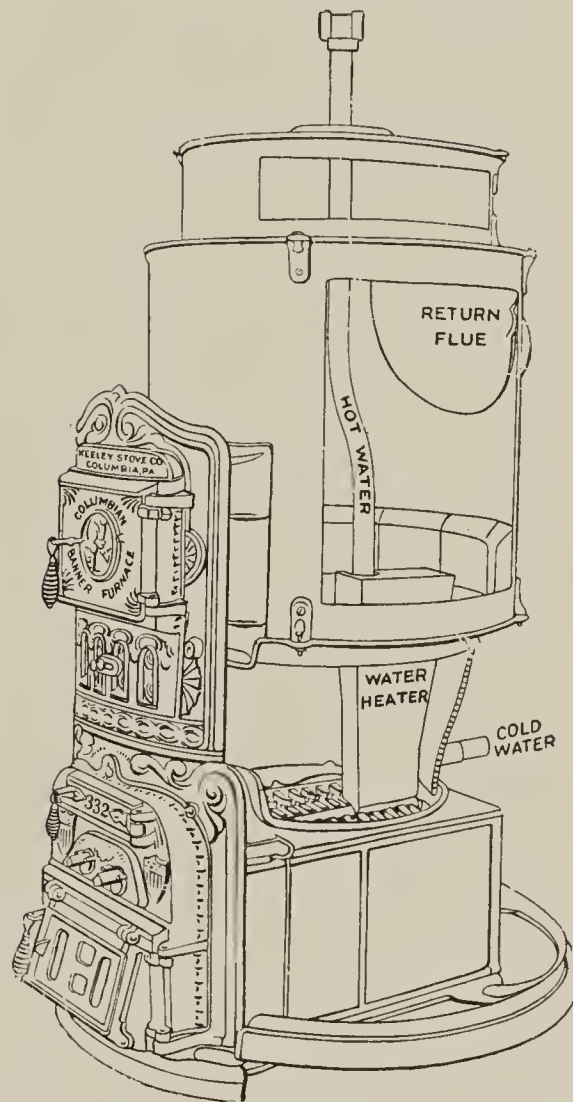
Illustrated pages, 158, 159, 160.

	Height.	Length Less Lap.
No. 52.		
Bottom Galvanized Iron Casing.....	22	131½
Middle Galvanized Iron Casing.....	30	131½
Top Galvanized Casing.....	3	131½
Steel Drums.		
Large Drum	24	103¾
Top Drum	6	91
No. 48.		
Bottom Galvanized Iron Casing.....	20	118½
Middle Galvanized Iron Casing.....	26	118½
Top Galvanized Iron Casing.....	5	118½
Steel Drums.		
Large Drum	22	93½
Top Drum	6	81¾
No. 44.		
Bottom Galvanized Iron Casing.....	16	106½
Top Galvanized Iron Casing.....	5	106½
Middle Galvanized Iron Casing.....	26	106½
Steel Drums.		
Large Drum	22	82½
Top Drum	6	70½
No. 40.		
Bottom Galvanized Iron Casing.....	15	94
Top Galvanized Iron Casing.....	5	94
Middle Galvanized Iron Casing.....	26	94
Steel Drums.		
Large Drum	22	75
Top Drum	6	62
No. 36.		
Bottom Galvanized Iron Casing.....	13	81½
Top Galvanized Iron Casing.....	5	81½
Middle Galvanized Iron Casing.....	24	81½
Steel Drums.		
Large Drum	20	62½
Top Drum	6	49¾

Kindle your fire with and use good furnace coal. Remember that the cylinder of the furnace, either in brick or iron, for soft or hard coal, is of sufficient depth and capacity to hold fire over night and through the day with reasonable attention. Never, and that is in no case, fill the cylinder beyond its capacity. The bottom drum ring is not a grate, and hence the cylinder should never be filled so that the coals will spread and burn on the top of the ring or against the hot-air tubes.

Good combustion and a strong heat require a clean fire and this can be had with our Centre-Draw Grate and the use of a poker through the clinker door, and for this reason we say if you want your furnace to heat well, work well and wear well, keep a clean fire and the coals below the bottom drum ring. Never let the ashes gather in the ash-pit so as to endanger the life or action of your grate. Keep a clean ash-pit.

HOT WATER HEATER.



Skeleton View Showing Combination of Hot Air and Hot Water.

The above cut illustrates one of our forms of hot water heating designed and used to heat rooms which are difficult to reach with hot air. This form of hot water heating can be applied to any of our make of furnaces. When by reason of an oversight or some other cause the hot air cannot be carried to one or more of the rooms in a house in which hot air is used to heat, this Hot Water Heater, if properly applied, will meet the needs and do the work.

The large one, No. 1, list price, tapped, no pipes—\$11.90—carries from 60 to 75 feet Radiation.

The small one, No. 2, list price, tapped, no pipes—\$8.40—carries from 40 to 50 feet Radiation.

COLUMBIAN BANNER FURNACE.

Low Down Construction.



Made in Four Sizes. Nos. 5, 6, 7 and 8.

This line of Furnaces has large Radiating Drums, made from very heavy steel and warranted to equal the life of any cast iron made.

The Revertible Flue Radiator shown in the above cut has large, quick-acting flues, which construction increases the radiating surface of the heater.

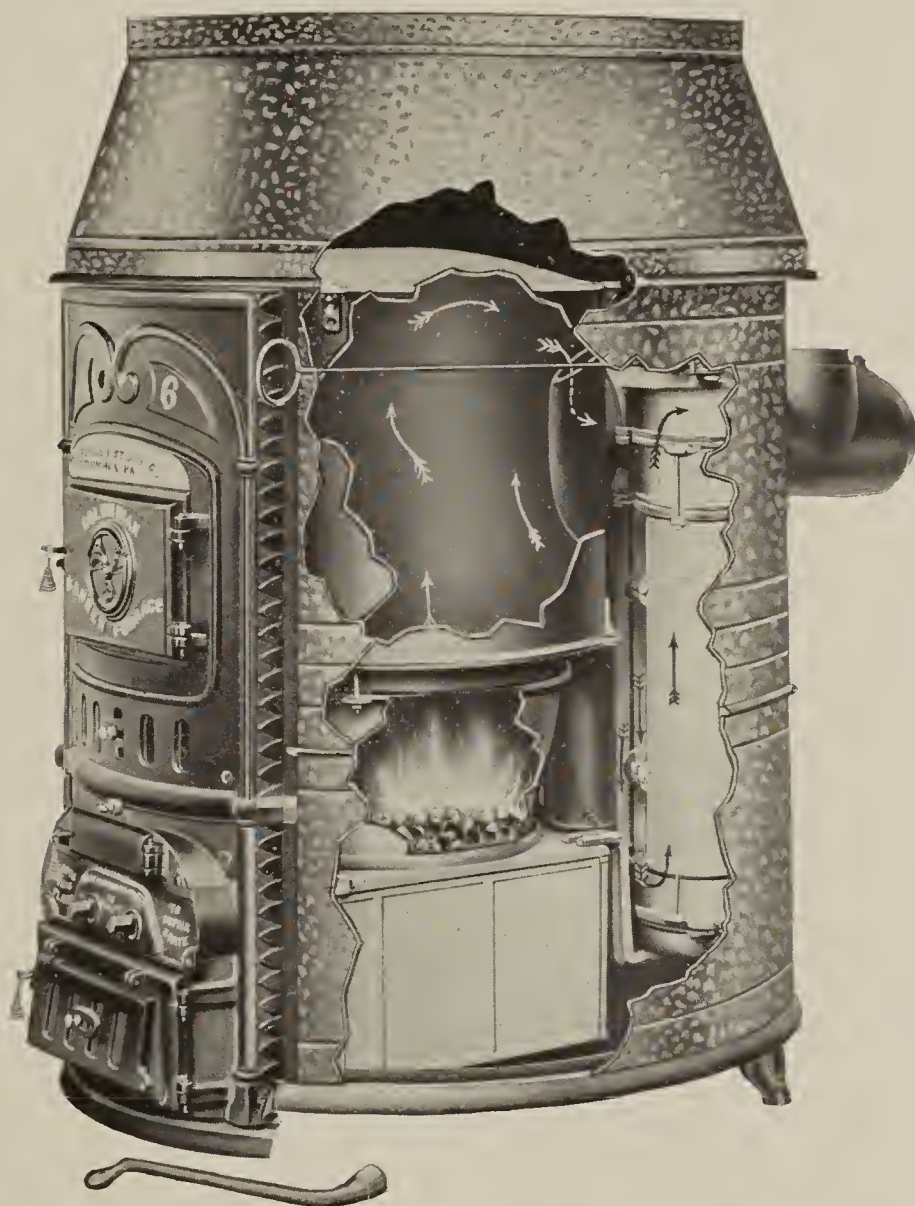
This application to the popular line of Columbia Banner Furnace, making it a LOW DOWN revertible flue Furnace, enables the dealer and purchaser to meet their needs for furnace construction.

When the furnace is installed with a cold air duct enclose the space below the bottom casing ring with a neatly fitted brick wall.

The space under the bottom of the base ring is sufficient for cold air when taken from the cellar, if the space is clear all around.

COLUMBIAN BANNER FURNACE.

Low Down Construction.



Made in Four Sizes. Nos. 5, 6, 7 and 8.

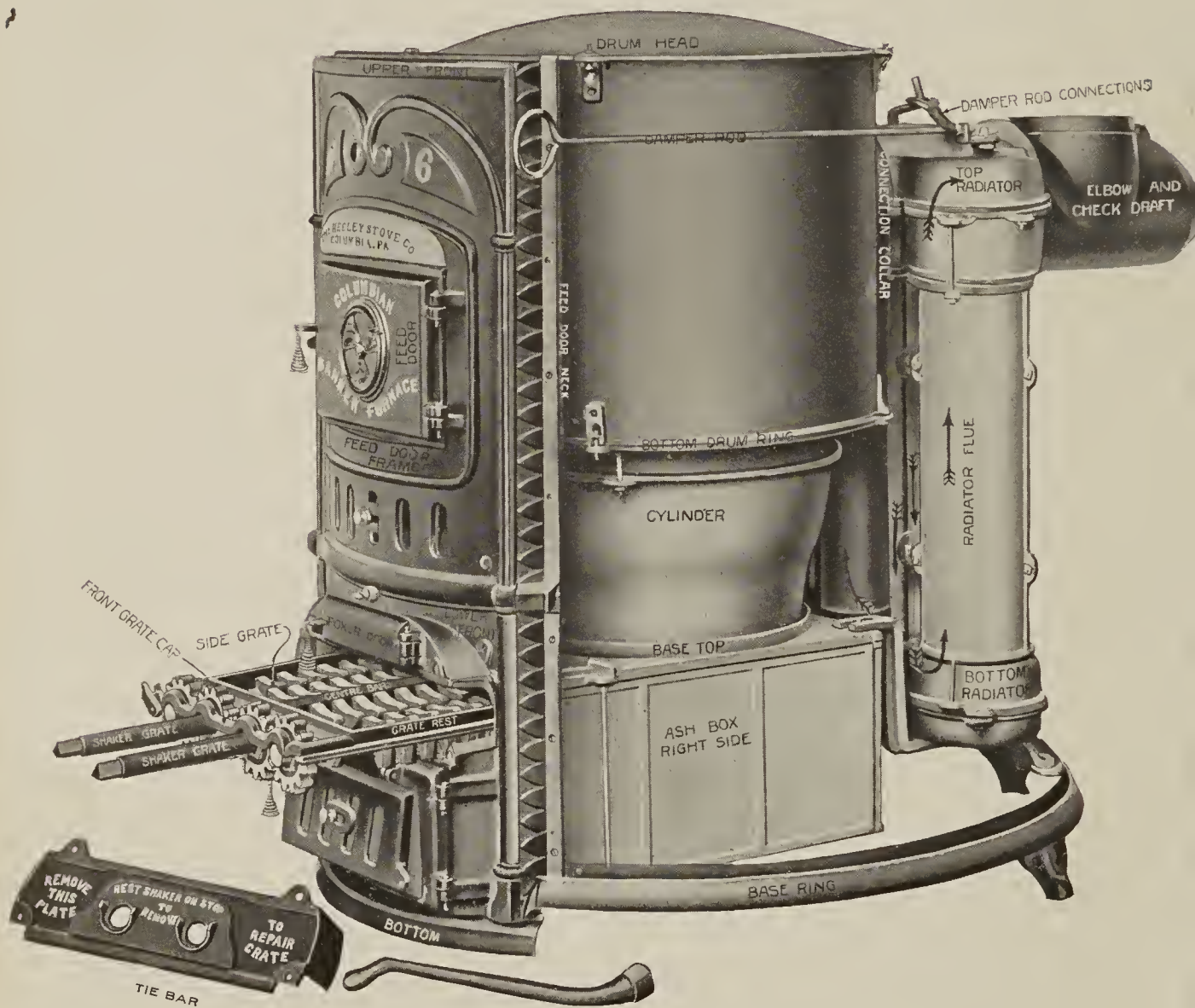
The above cut illustrates the Heavy Steel Radiators and Cast Iron Reversible Flues.

The Fire Travel through these revertible flues (4) is controlled by a damper at the top of the cast radiator which is both direct and indirect.

Pulling this damper rod at the right of the furnace towards you opens the damper and makes a direct fire travel; pushing this damper rod in (from you) closes this damper and reverts the fire travel downward through the flues lengthening the fire travel. The closing of this damper means the operation of the furnace at its best and every inch of the radiating surface of the furnace doing execution at the minimum cost of coal consumption. The opening of the damper means quick kindling of the fire and when the chimney is that of a good strong draft the furnace should be operated with the damper closed.

A large clean-out door is placed at the back of the casing, near the bottom, and is accessible to all the revertible flues.

COLUMBIAN LOW-DOWN BANNER.



Columbian Banner Furnace.

Low Down Construction.

Made in Four Sizes. Nos. 5, 6, 7 and 8.

Price List.

No.	Mounted Castings and Drums.	Finished in Galvanized Iron.
5.....	\$ 89 60	\$107 80
6.....	113 40	136 50
7.....	137 20	162 40
8.....	161 00	189 00

Fire Pot Measurements.

No.	Top.	Bottom.	Depth.
5.....	21½	13	13½
6.....	24	16	13¾
7.....	27	18½	13¾
8.....	29	21½	14

No.	No.
5. Takes 7-inch Elbow.	7. Takes 8-inch Elbow.
6. Takes 8-inch Elbow.	8. Takes 8-inch Elbow.

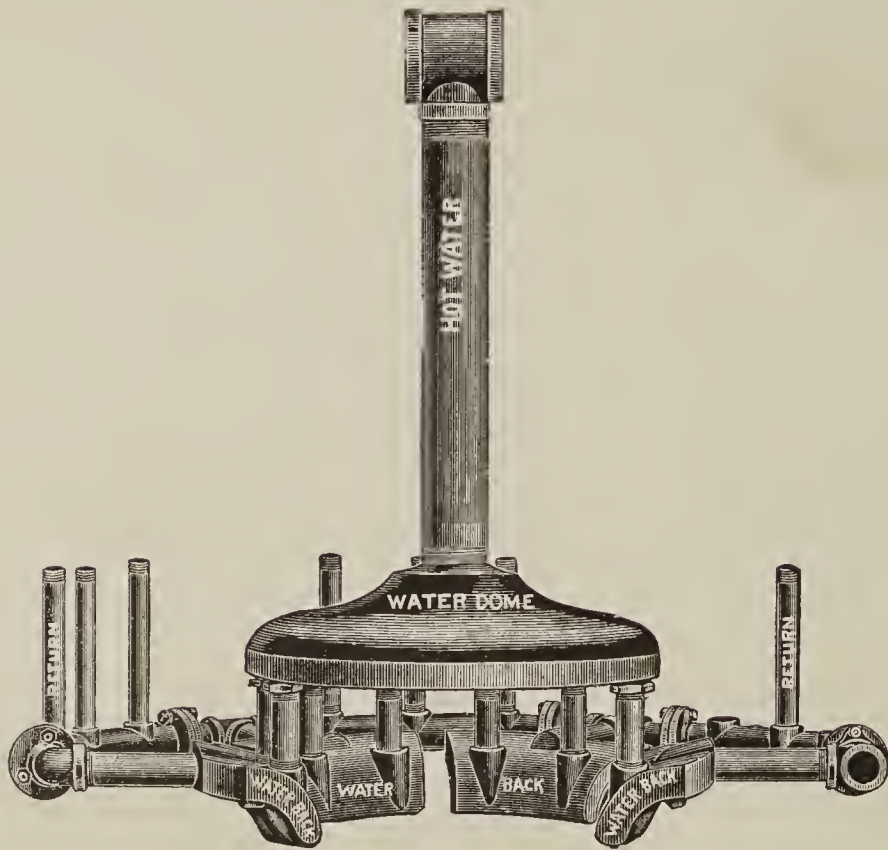
Estimated Capacities of Low Down Furnaces.

No.	
5.....	14,000 to 18,000 Square Feet.
6.....	18,000 to 23,000 Square Feet.
7.....	25,000 to 30,000 Square Feet.
8.....	32,000 to 38,000 Square Feet.

No.	No.
5. Diameter of Casing equals 32 inches.	7. Diameter of Casing equals 44 inches.
6. Diameter of Casing equals 40 inches.	8. Diameter of Casing equals 50 inches.

No.	No.
5. Height 53 inches to top of cone.	7. Height 56 inches to top of cone.
6. Height 55 inches to top of cone.	8. Height 58 inches to top of cone.

COLUMBIAN HOT WATER HEATER.



This Hot-Water Heater can be applied to our Columbian Banner Furnaces and Radiators of like Construction.

This Hot Water Heater, with its appliances, is arranged for our Nos. 48, 52, 340, 344, 7 and 8 Columbian Banner Furnaces. These Hot Water Heaters will carry Radiators of sufficient surface to heat three or four rooms off the smallest, and three to five rooms off the largest, measuring in all from 7,000 to 9,000 cubic feet for each complete Water Heater.

- List Price for Hot Water Heaters, as shown above:
- No. 1. Water Heater, suitable for Nos. 48 and 340 with six inside connections..\$73 50
 - No. 2. Water Heater, suitable for No. 52, with six inside connections..... 84 00
 - No. 3. Water Heater, suitable for No. 344, with eight inside connections.....115 50

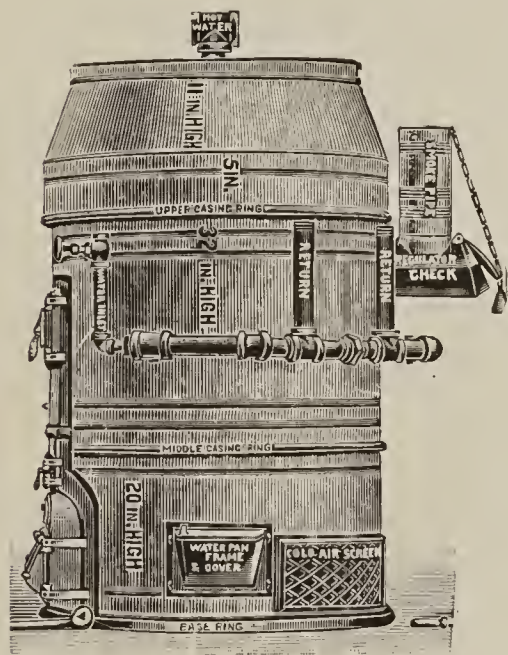
	Inches
1. Diameter Dome	20
1. Diameter Dome and Water Backs.....	27½
2. Diameter Dome	24
2. Diameter Dome and Water Backs.....	32½
3. Diameter Dome	30
3. Diameter Dome and Water Backs.....	36

The above cut illustrates one of the most efficient and economical constructions as an adjunct to hot air heating. Economical, because as a Hot Air Heater and Water Heater it enables the user to heat rooms that could not be reached with hot air pipes. We have a number of devices for heating with hot water. The one illustrated is for use when from three to five rooms are to be heated with hot water.

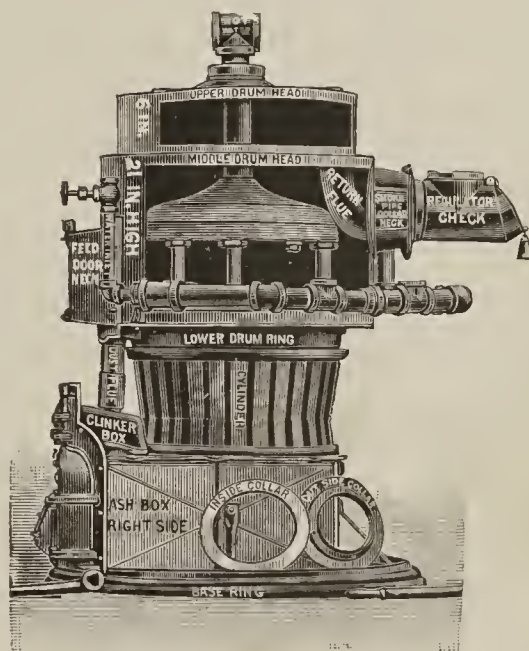
The No. 1, 20-inch Water Dome has 150 feet of radiation; the No. 2, 24-inch Water Dome has 200 feet of radiation; the No. 3, 30-inch Water Dome has 270 feet of radiation. Including the 3-inch pipe, each Water-Back has 25 feet of radiation.

COLUMBIAN HOT WATER HEATER RADIATORS.

Cut No. 1 illustrates the furnace with the COLUMBIAN WATER HEATER closed in the Radiator or Drum and the furnace cased complete for hot air and hot water attachments. We offer some very desirable and praiseworthy combinations of warm air and hot water heating devices and would be pleased to hear from the purchaser.



No. 1.



No. 2.

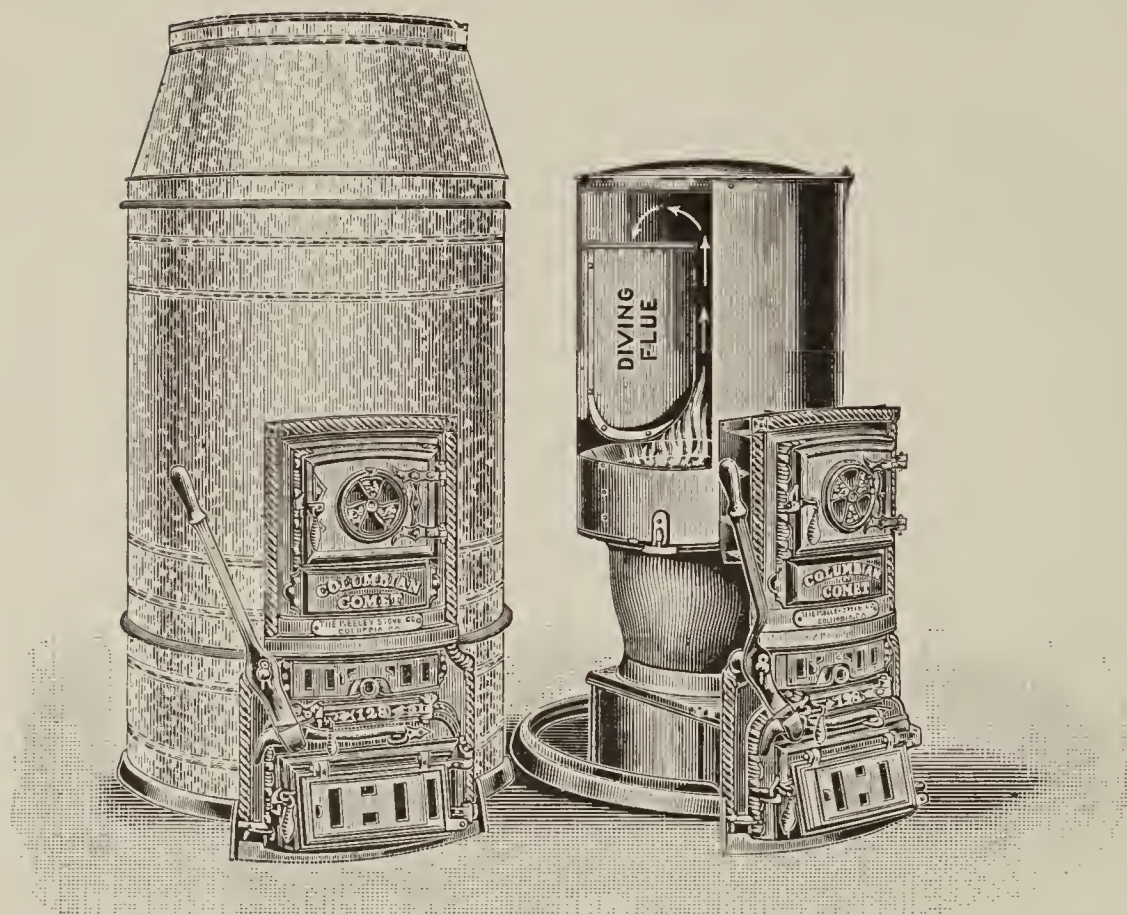
The cut No. 2 illustrates an Open Radiator, so that a customer may understand its application, showing the COLUMBIAN HOT WATER HEATER in position. Here the "Water Backs" of Heater are at times partly buried in the burning coals and the Water Dome with its base is almost in contact with the fire surface, and the whole Heater is enveloped in the very heart of the fire combustion chamber and encircling flames. When this Heater is properly attached to the Radiators we are persuaded and know the positiveness of our claim.

This form of Hot Water Construction is applicable only to our COLUMBIAN BANNER FURNACES.

The sizes to which this Hot Water Heater can be applied is explained on page 168.

COLUMBIAN COMET FURNACES.

Remodeled for this Season.



Made in Four Sizes. Center-Draw. Anti-Friction Grate. Substantial, Heavy, Powerful. A Ready Seller. Cheap, Durable Furnace for the Masses and the Builder.

No.		Castings Only.	Castings and Drum Mounted.	Finished in Galvanized Iron.
124.	equals 24-inch casing.....	\$23 00	\$27 50	\$41 00
128.	equals 28-inch casing.....	30 10	35 00	53 20
132.	equals 32-inch casing.....	37 80	43 40	63 00
136.	equals 36-inch casing.....	51 80	58 80	81 20
No.			Measurements of Fire Pot.	
124.	.....	Top, 13 1/4	Bottom, 10 1/2	Depth, 8 1/2
128.	.....	Top, 15	Bottom, 11 3/4	Depth, 11 1/4
132.	.....	Top, 17	Bottom, 13 3/4	Depth, 13
136.	.....	Top, 20	Bottom, 16	Depth, 15

Measurements of Casing and Height of Furnace.

No. 124. Lower Casing, 14 inches; Middle Casing, 20 inches; Cone Top, 12 inches. Height of furnace, 51 inches.
No. 124. Lower Casing, 14 x 60 inches; Middle Casing, 20 x 75 1/4 inches; Cone Top, 12 inches. Height of furnace, 51 inches.
No. 128. Lower Casing, 10 inches; Middle Casing, 32 inches; Cone Top, 12 inches. Height of Furnace, 56 inches.
No. 128. Lower Casing, 10 x 72 inches; Middle Casing, 30 x 87 1/4 inches; Cone Top, 12 inches. Height of Furnace, 56 inches.
No. 132. Lower Casing, 13 inches; Middle Casing, 32 inches; Cone Top, 12 inches. Height of Furnace, 59 inches.
No. 132. Lower Casing, 13 x 82 inches; Middle Casing, 32 x 99 1/2 inches; Cone Top, 12 inches. Height of Furnace, 59 inches.
No. 136. Lower Casing, 15 inches; Middle Casing, 32 inches; Cone Top, 12 inches. Height of Furnace, 61 inches.
No. 136. Lower Casing, 13 x 91 inches; Middle Casing, 32 x 112 inches; Cone Top, 12 inches. Height of Furnace, 61 inches.

Measurements of Steel Radiators.

No.		Pipe Collars.
124.	Height, 23 inches; length, less lap, 54 1/4 inches	5-inch
128.	Height, 23 inches; length, less lap, 62 1/2 inches	6-inch
132.	Height, 23 inches; length, less lap, 75 inches	6-inch
136.	Height, 23 inches; length, less lap, 82 1/2 inches	6-inch

Carefully examine and study the above cuts and illustrations, including fire travel and diving flue.

Regulating Your Furnace Fire.

Dampers, Check Drafts, Doors, Etc.

No set rule can be given as to the regulating of a furnace or the adjustment of the dampers. This must be learned by experience and studying your chimney. High winds and other causes which might eat out the fire one night in a week, might not do so the other six if the winds were not so high. Cold windy weather demands a furnace at a higher temperature and more coal than nights not so cold.

Checking the Fire.

Ordinarily we would first close all the openings into the ash-pit. Raise (open) the check regulator on the rear three parts or more, watching the results of the fire for a few nights, changing the check regulator if need be until the staying point is found. In cold weather, before retiring, free the fire from all dead matter and put on a good charge of fresh coal and do not check the furnace too low. Higher temperature outside means do not clean your fire as thoroughly before retiring, charge with less coal and check your furnace to lower draft. The direct damper of the Columbian Prince should be kept closed (pushed in) except when kindling or reviving a slow sluggish fire. DRAW OUT TO OPEN.

Columbian Banner Furnace.

Made With Triplex Grate. Directions for Operating.

First—Before starting the fire see that the grates of all kinds are in proper position by applying and removing the shaker to and from the grate bars and agitate the grate. The grates are in proper position when the nib on the shaker rests on the nib on the front, unless the grates are in this position when kindling the fire the coal will screen through the grate into the ash-pit and will burn the fingers off the grate. See that the heat pipes and smoke pipe are properly connected and the draft good. THE DRAFT IS IN THE CHIMNEY AND NOT IN THE FURNACE.

Second—Start the fire with a sufficient amount of good kindling to ignite good hard furnace coal, using large size stove or egg coal.

Third—See that the draft is not obstructed by any pipe damper or local obstruction in chimney or pipe. Close the check damper in the pipe, register wheel in the feed door and open the register slide in the drop ash-pit door. If this is not sufficient raise the drop ash-pit door for an additional supply of air.

Fourth—To check the fire first close all the openings in or about the ash-pit, keep clinker door closed (number door), check the smoke pipe draft by opening the check damper on the pipe, raising the damper the desired height, letting it rest on the ratchet lever. Do not open the register in the feed door or open the feed door any distance unless it must be done. This furnace is gas tight, will not throw gas unless grossly mismanaged. A defective flue may be responsible for gas in your building or imperfect operation of the furnace.

Fifth—To adjust any local trouble with the Triplex Grate remove the upper and lower front, draw the grate and the frame to the front, or entirely out if desired. The grate can be repaired without disturbing the pipes, casing or any other internal part of the furnace. The operation is simple and easily understood, and if the ash-pit is kept clean, the grate is long lived and durable.

Sixth—To shake the fire and free it from dead ashes give the smoke pipe all the draft it will carry by closing the outside check damper, closing all the openings in and about the ash-pit, open the dust damper and turn the grate bars with the use of the shaker until the fire is thoroughly freed from all dead matter. The changing temperature will demand more or less attention as to the cleaning of the fire and operation of the furnace; high temperature a lower fire, low temperature a lively clean fire. This Triplex Grate will clean the fire without the use of a poker.

Seventh—The dust damper is to be opened when shaking the fire, cleaning the ash-pit or is useful in checking the fire. At all other times, keep it closed.

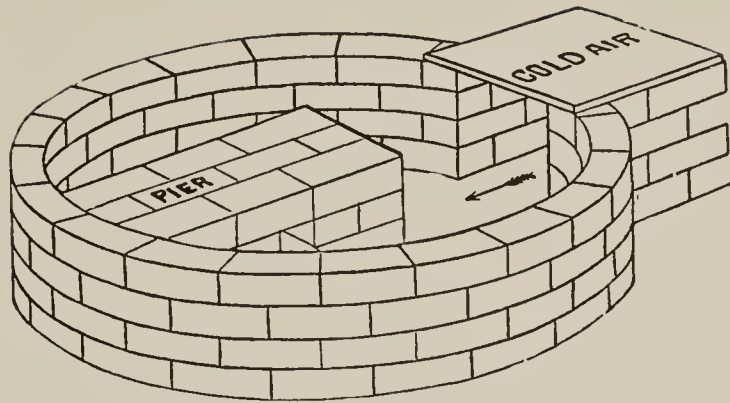
Eighth—The register slide in the front between the feed and ash-pit doors should be *kept open at all times* except when cleaning the fire or cleaning the ash-pit.

Ninth—Give the same attention, take the same interest in a COLUMBIAN FURNACE and RANGE that you should in any other valuable article of house furniture; from these articles you receive a large measure of domestic comfort. They do not feed or care for themselves.

Tenth—Different locations have different environments, hence, rules and regulations which are applicable for one locality might not be efficient in another, very much must be learned through experience and trial.

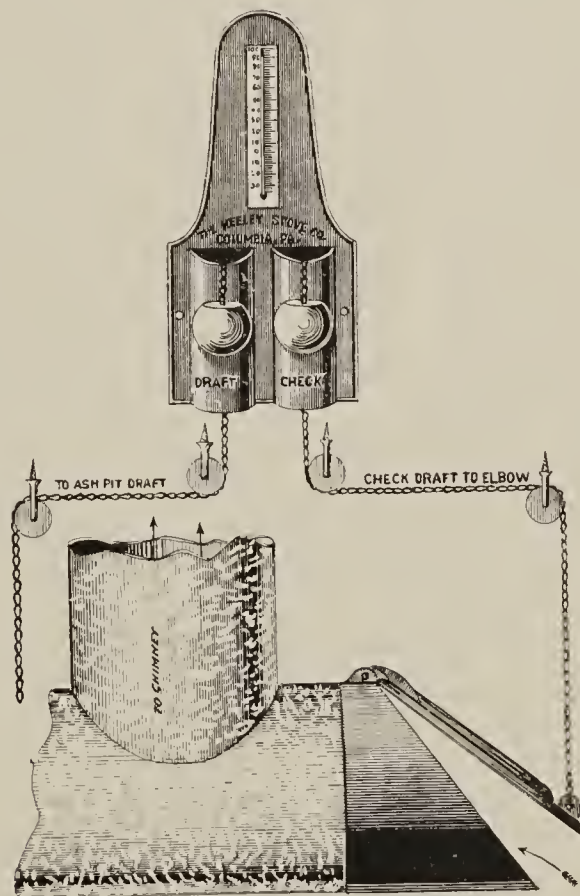
The above rules and regulations apply also to the Columbian Banner line of Furnaces with the Centre-Draw Grate.

Foundation.



Foundation Illustration.

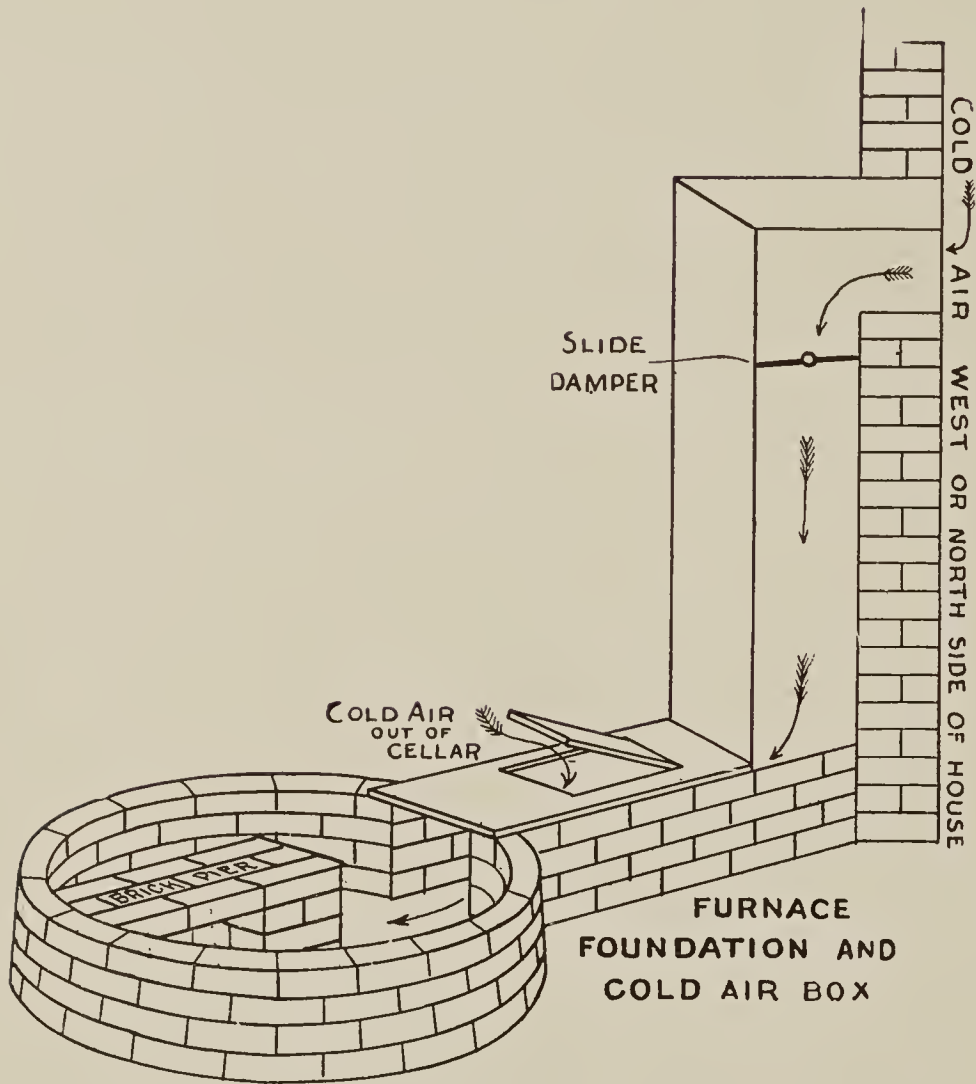
The Cold Air Pit and foundation of the Furnace should be built as illustrated in the above figure. It is advisable to cement the bottom and lay the bricks in good cement mortar so that it will be free from the accumulation of water. Make the cold air trench larger than the actual requirements and reduce it with the damper in the box if needful. Give the furnace plenty of cold air.



Check Damper.

The above cut illustrates our Check Damper and Chain Attachment connected to ash-pit door all of which can be manipulated from the sitting room or the parlor over the furnace. The draft door and dampers are operated each independently of the other. The thermometer above registers the temperature of your room. The above attachments are subject to additional cost over price of furnaces.

Furnace Foundation and Cold Air Box.

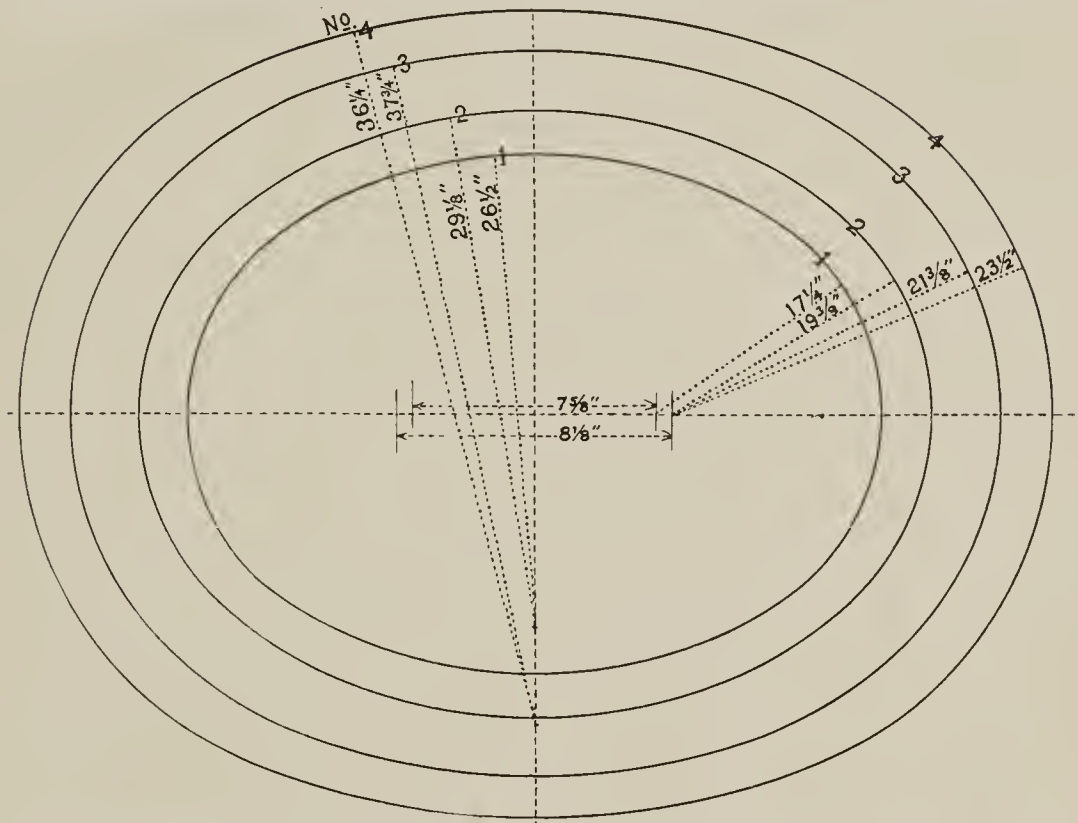


The above cut illustrates the cold air taken from the north or west side of the building and carried underneath the furnace, supplied with a "slide damper," so as to partly or entirely check strong driving winds, if desired. In that event open the cold air trap door, as illustrated, and take the cold air from the cellar. Be careful to keep this "cellar trap door" closed when the "slide damper" is open. The cold air box and "trap door" should be of ample size to supply the furnace with cold air. This part of the furnace construction cannot be too carefully made.

FURNACE FOUNDATIONS.

Measurements Below.

Foundation Sizes for COLUMBIAN BANNER FURNACES Nos. 1, 2, 3, and 4.

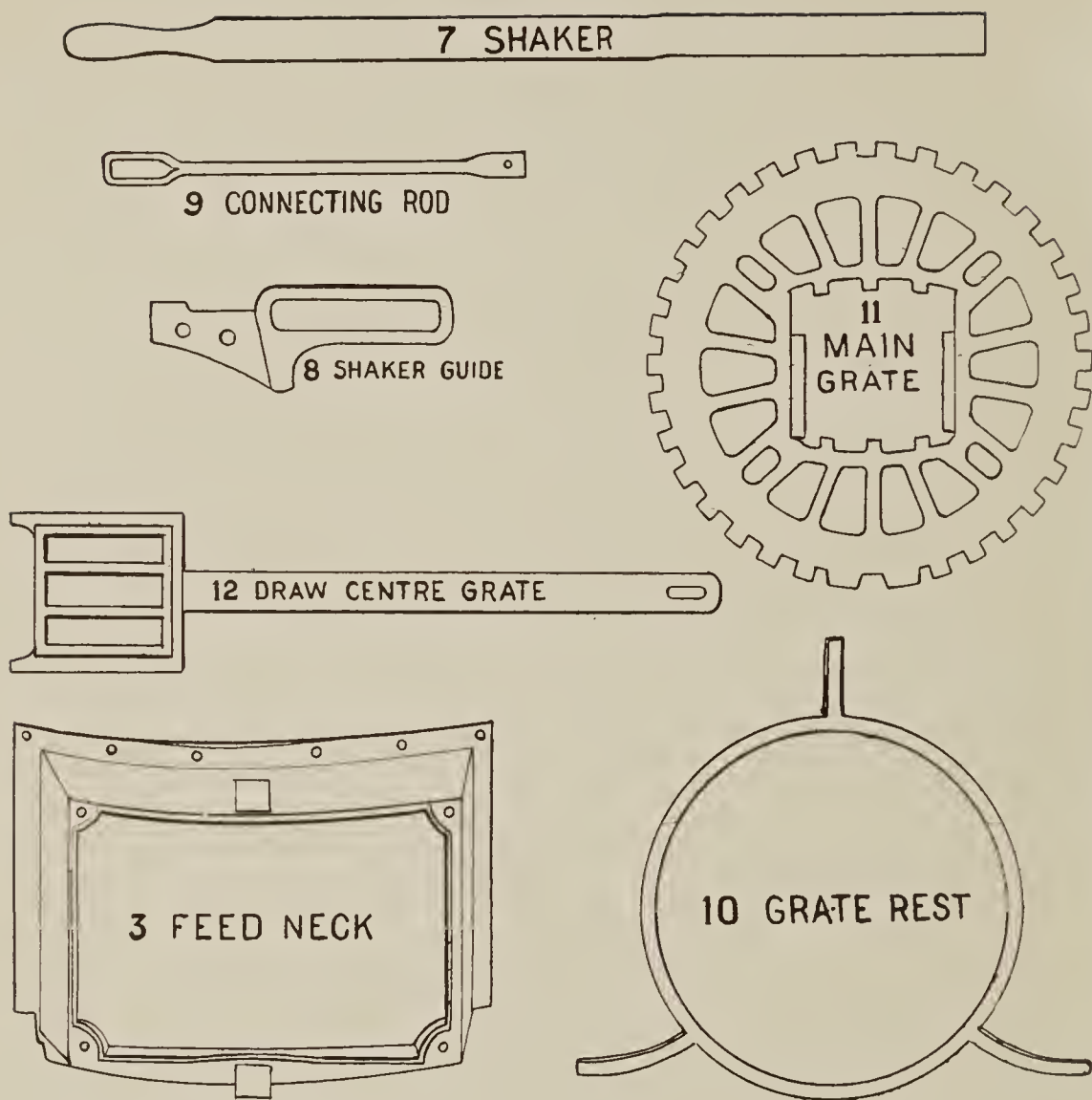


Length of No. 5, 41'' Width, 35 1/4''
 " " No. 6, 46'' " 40''

Length of No. 7, 50'' Width, 43''
 " " No. 8, 54'' " 47 1/2''

No.		Diameter Bottom Drum Ring.	Pier	
			Width—Length	
328,	Columbian Banner.....	30 1/2	14	× 22
332,	Columbian Banner.....	34 1/2	16	× 24
336,	Columbian Banner.....	38 1/2	19	× 28
340,	Columbian Banner.....	43	22	× 32
344,	Columbian Banner.....	48	25 1/2	× 37
36,	Columbian Banner.....	28 1/2	14	× 22
40,	Columbian Banner.....	32 1/2	16	× 24
44,	Columbian Banner.....	36 1/2	19	× 28
48,	Columbian Banner.....	40 1/2	21	× 32
52,	Columbian Banner.....	46	25	× 36
123,	Columbian Comet.....	30 1/2	14	× 22
132,	Columbian Comet.....	34 1/2	16	× 24
136,	Columbian Comet.....	38 1/2	19	× 28
38,	Columbian Prince.....	42	22	× 30
42,	Columbian Prince.....	46	24	× 35
48,	Columbian Prince.....	52	28	× 40

Build your foundation with good hard brick, making your foundation wall not less than four (4) inches, with the wall from the center to the center of the wall, the diameter of the base ring for the respective furnaces used as given above. To illustrate, a No. 328 Columbian Banner Furnace requires a foundation with a four (4) inch wall 30 1/2 inches from center to center and the pier 14×22 inches, and so on through the list. This lets your furnace rest securely on the center of the wall. Build and mortar with good cement.



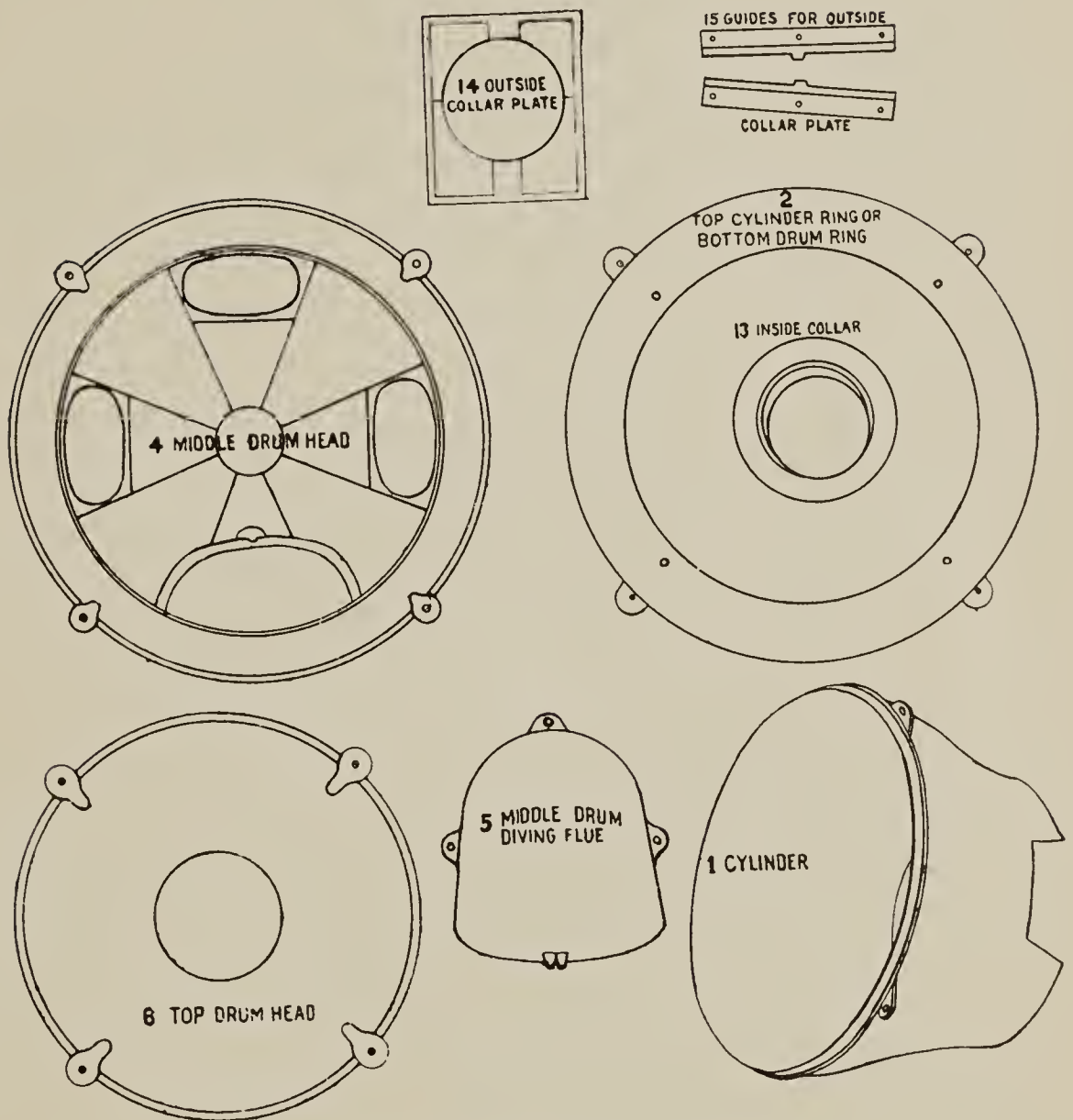
Helps to Repair the Columbian Banner Furnace.

With these pages before the purchaser he ought to get his repair order clear. No. 1 illustrates the Cylinder. No. 2 the Ring on top of cylinder and as a rule they are bolted together and shipped as a cylinder. No. 4 is what we term Middle Drum Head. No. 5 Diving Flue. No. 6 is the Top Drum Head. No. 13 is Inside Collar and bolted to outside of Steel Radiator. No. 14 Outside Collar Plate. No. 15 Guides for Outside Collar Plate. These are bolted to the Galvanized Casing and enable the Collar Plate to adjust itself to the expansion of the furnace.

No. 3 Feed Neck. To this is bolted the upper front with door attached. No. 7 Shaker. No. 9 Connecting Rod, one end attached to Shaker (No. 7) and the other to the Draw Centre Grate (No. 12). No. 8 Shaker Guide. This is bolted to ash-pit of furnace and the Shaker passing through this with bottom resting in socket at bottom of the furnace. No. 10 Grate Rest Ring which carries Main Grate (No. 11). No. 12 Center Draw Grate. Nos. 10, 11 and 12 all mounted form a complete grate. This is for the Columbian Banner Series in which the Draw Centre Grate is used.

Columbian Banner Furnace.

Castings in Detail.



Description and Reading Matter on Page 176.

Ventilation.

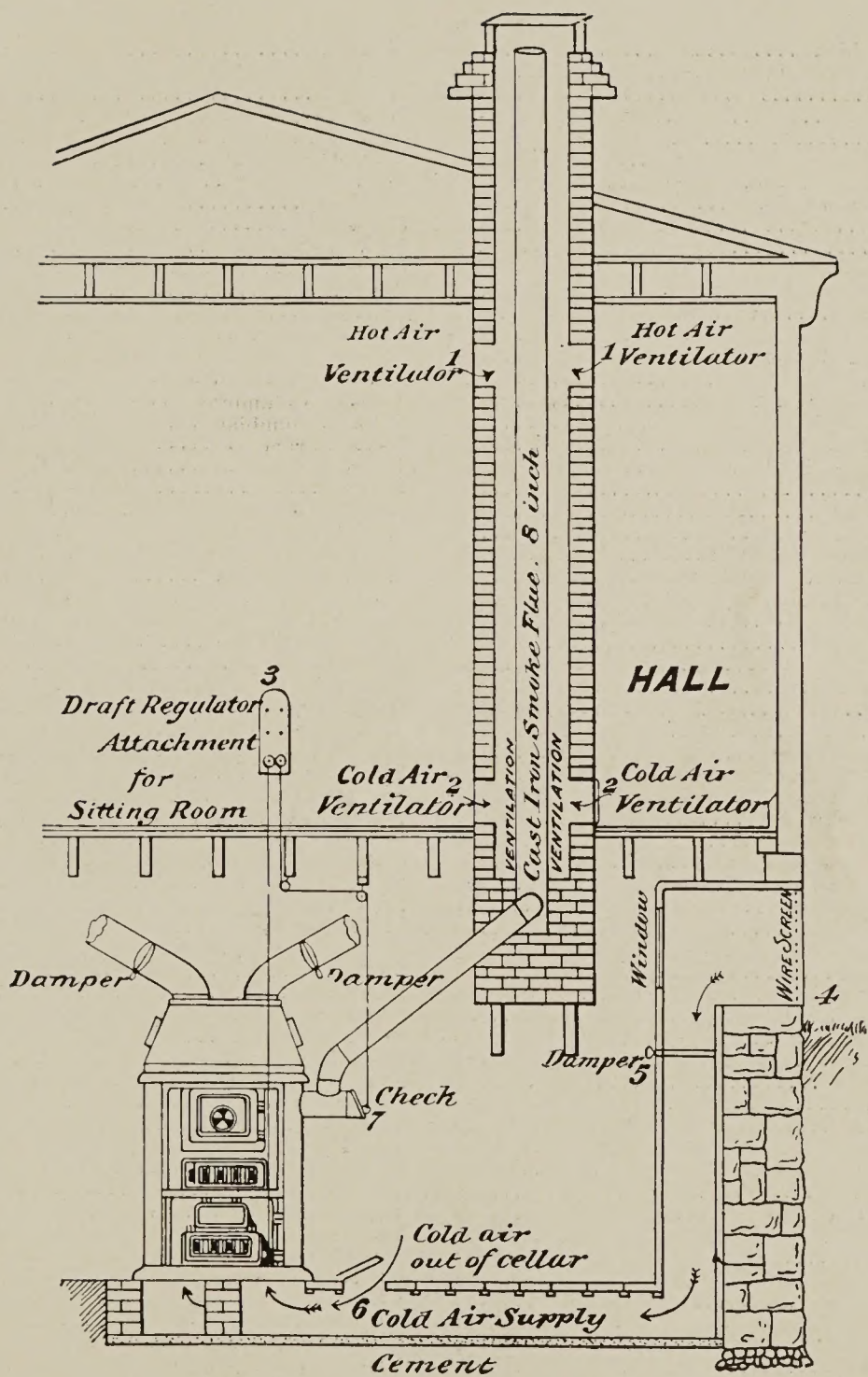
The utility of constructing and combining a ventilating flue with the gas flue cannot be overestimated. This is shown on opposite page, and should be worked into the modern home from the foundation, located as near the central part of the building as possible. This should form a combination with the flue by building a chimney not less than 12×24, and in the center a cast pipe 8 inches in diameter, with a ventilating register near the floor and another near the ceiling. Illustrations on page 179.

No. 1—"Hot Air Ventilator," is to illustrate the removal of hot air from the rooms through the ventilating registers supplied for this purpose.

No. 2—Ventilating Registers are fitted into the same flues for the purpose of removing the cold air from the floor. This will assist the furnace in the work of radiation and assist very materially in the movement of warm air currents.

No. 3—Is to represent the Thermometer and regulator attachments for the furnace and operates check No. 7.

No. 4—Is Window, with screen, to supply the fresh air down through the cold air supply which can be reduced when high winds prevail by the damper at No. 5. If you desire to supply cold air from the cellar close No. 5 tightly and open at No. 6. Both should not be opened or closed at the same time.



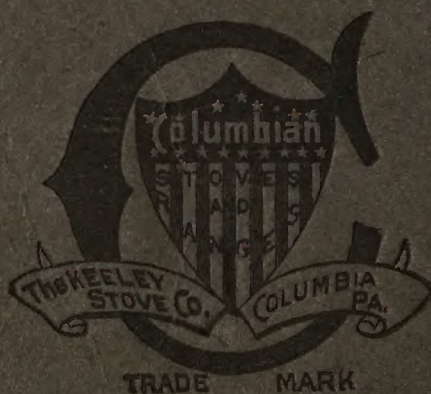
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THE KEELEY STOVE CO.

1907



1908

Columbia, Penna.

